SANSUI

SERVICE MANUAL

DA-E55

STEREO CASSETTE DECK

AMPLIFIER

NOTE
DA-E55 is additional model which external appearances are different from those of DA-E50. This manual contains PACKING LIST, ACCESSORY LIST OTHER PARTS LIST and PARTS LIST OF EXPLODED VIEW OF MECHANISM Assy.
For servicing, refer to this manual together with DA-E50 service manual previously issued.

CAUTION
1. Parts identified by the ⚠ symbol on the schematic diagram and the parts list are critical for safety. Use only replacement parts that have critical characteristics recommended by the manufacturer.
2. Make leakage-current or resistance measurements to determine that exposed parts are acceptably insulated from the supply circuit before returning the appliance to the customer.

NOTE :
1. The symblos, EU,UK,SEV,SS and XX〈EXPORT〉on the parts list mean followings respectively.
EU·····Manufactured for European market. UK·····Manufactured for United Kingdom market.
SEV··· Manufactured for Swiss market. SS·····Manufactured for Saudi Arabia Market.
XX〈EXPORT〉·····Standard Version.

2. On the parts list, the changed parts are specified by "#" mark on top of the Parts No.

1. PACKING LIST

Parts No.	Stock No.	Description
1	47859600	Vinyl Bag
2	27233700	Styrofoam Packing
# 3	84536500	Carton Case

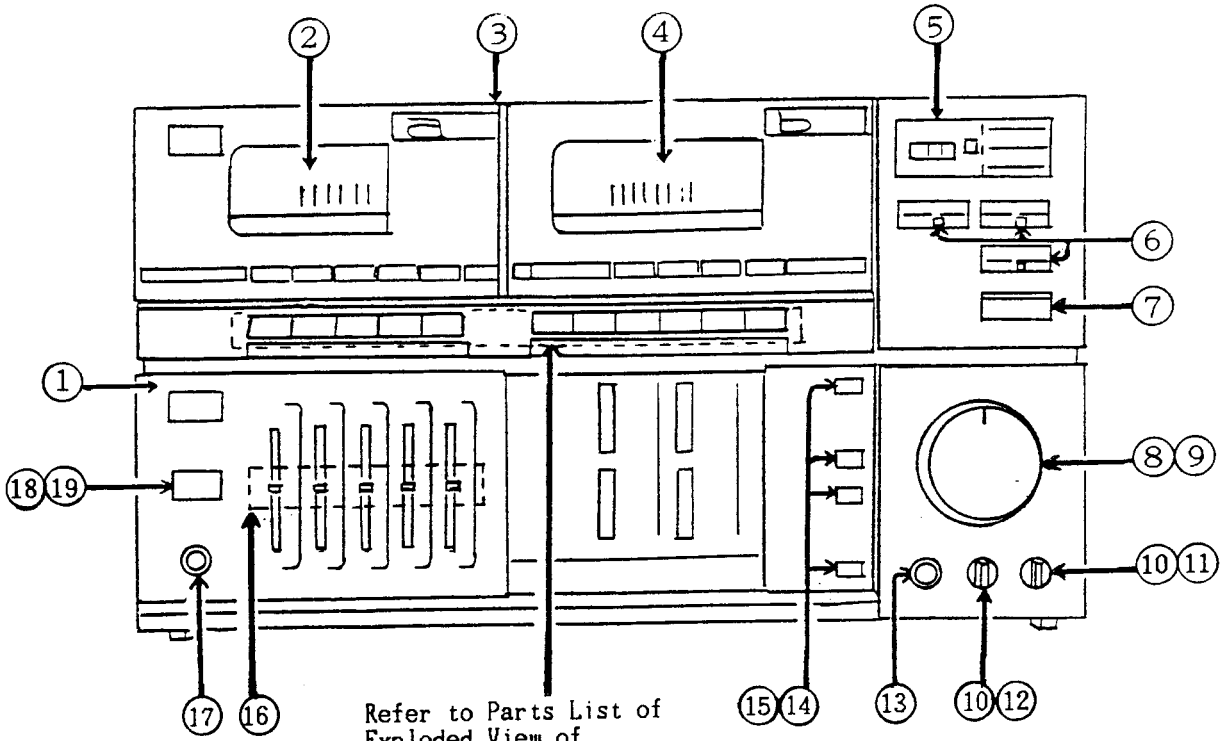
2. ACCESSORY LIST

	Stock No.	Description
	48576700	13P Connector Cable, system control
#	84451200	Operating Instruction (*E·F·S)
#	84451300	Operating Instruction (*G·I·Sw)

* NOTE:
E,F,S ; English,French and Spanish Version.
G,I,Sw; German,Italian and Swedish Version.

3. OTHER PARTS

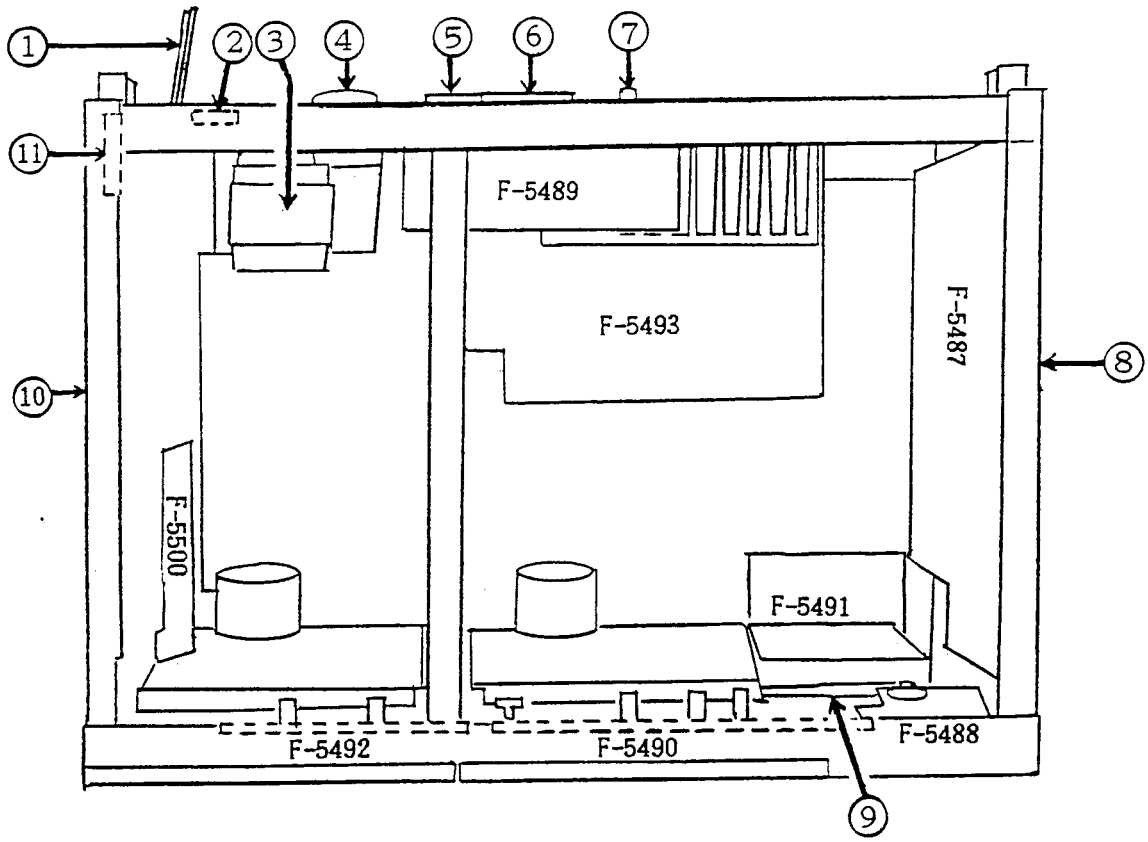
3-1. Front View



Parts No.	Stock No.	Description
# 1	37502001	Front Panel Ass'y
# 2	37502101	a-side Cassette Lid Ass'y
3	27231500	Bonnet
# 4	37502201	b-side Cassette Lid Ass'y
5	48485200	Tape Counter
6	48316300	Slide SW.,DUBBING·*DOLBY NR
7	46708100	Push SW., REC MUTE
8	48139800	150kΩ(B) V.R.,Volume
# 9	27446700	knob, VOLUME
#10	47742300	knob, MIC MIXING·BALANCE
11	48345800	250kΩ V.R.,BALANCE
12	48345900	20kΩ(A) V.R.,MIC MIXING
13	07219700	Jack, MIC
14	48587200	Push SW., Input Selector
#15	84546500	Push knob, Input Selector
16	48520500	50kΩ(B) Volume Ass'y, Graphic Equalizer
17	24306200	Jack, PHONES
⚠ 18	46413900	Push SW.,POWER
19	27039800	Push knob, POWER

* Dolby noise reductions system manufactured under license from Dolby Laboratories Licensing Corporation.
" Dolby" and the double D symbol are trade marks of Dolby Laboratories Licensing Corporation.

3-2. Top View



	Parts No.	Stock No.	Description
⚠	1	38004700	Power Supply Cord (XX)
⚠		48187500	Power Supply Cord-polarized (XX)
⚠		38004500	Power Supply Cord (EU & SEV)
⚠		38004300	Power Supply Cord (UK)
⚠	#	48837700	Power Supply Cord (SS)
⚠	2	46364900	AC OUTLET (XX & SS)
⚠		48184000	AC OUTLET-polarized (XX)
⚠		46161000	AC OUTLET (EU & SEV)
⚠		46364800	AC OUTLET (UK)
⚠	3	15026309	Power Transformer (XX & SS)
⚠		15026305	Power Transformer (EU, UK & SEV)
⚠	4	48175200	Voltage Selector (XX & SS)
⚠		07204700	Slide SW., voltage selector (EU,UK & SEV)
	5	46549200	4P Sperker Terminal
	6	48582200	13P ST Socket,system control
	7	48528400	2P Input Terminal, CD/AUX
	# 8	27234400	Side Panel Ass y (R)
	9	37101100	Tape Counter Belt
	#10	27234300	Side Panel Ass'y (L)
	11	47390300	AC Cord Cover

4. PARTS LIST OF EXPLODED VIEW OF MECHANISM ASS'Y

Parts List <a- and b-side mechanism>

Parts No.	Stock No.	Description
1	37085700	Cassette Holder
# 2	37104600	Mechanism Cover
# 3	37104700	M2.6×6 Binding Head Tapping Screw
4	09418300	M2x5 Binding Head Tapping Screw
5	09416100	Keep Plate
6	37086000	S. Screw, Reel
7	37086100	Supply Reel
8	37086200	C. Spring
9	37086300	REC/P.B Head
10	37086400	Azimuth Adjusting Screw
11	37086500	M2x3, Pan Head Screw
12	37086600	Head Adjusting Spring
13	37086700	Erase Head (b-side mecha.)
14	37086800	M2x5, Binding Head Screw, erase head
15	37086900	Tape Sensor
16	———	Head Base plate (b-side mecha.)
17	37087000	Interrock Arm (b-side mecha.)
18	37087100	Pinch Arm Spring
# 19	37104800	S. Screw, idler
20	37087300	Idler Gear
21	37087400	Idler Arm
22	37087500	Take-Up Reel Ass'y
23	37087600	F. Gear
24	37087700	Pinch Roller Ass'y
25	37087800	Cassette Holder Spring
26	37087900	Earth Spring
27	37088000	M2.6x6, Flanged Head Screw
28	37088100	Chassis Ass'y
29	37088200	N. Washer
30	———	Button Shaft
32	———	Button Bracket R
33	37088300	Spring
34	37088400	Flywheel Ass'y
35	37088500	Capstan Belt
36	37088600	P. Washer
37	———	Back Plate
38	37088700	Spring
39	37088800	Spring
40	37088900	Eject Arm
41	37089000	Spring
42	———	S. Arm.
43	37089100	C. Spring
44	———	Function Lever
45	37089200	Pause Arm
46	———	Pause Lever
47	———	S.E Lever
48	———	F.F Lever
49	37089300	Spring
50	———	REW Lever
51	———	Play Lever
52	37089400	C. Spring
53	———	Rec Stop Lever
54	———	Rec Lever
55	37089500	F. Washer
56	37089600	Leaf Switch
57	37089700	M2x8, Bind Head Screw
58	37089800	Driving Arm Ass'y
59	47001100	Rubber Cushion
60	37089900	Spring
61	37090000	E. Ring
62	37090100	Gear
63	———	Connect Lever Ass'y
64	37090200	M2x4, Pan Head Screw
65	———	CS Ring
66	———	Spring
67	———	Lock Plate
68	———	Unlock Plate
69	———	Connect Lever
70	———	Connect Plate A Ass'y
71	47001200	Motor Screw
72	———	Motor Bracket
73	37090300	Motor Pulley
74	37090400	Motor
75	37090500	Drive Belt
76	———	Pause Lever
77	———	RSW Plate
78	37090600	M2.6x6, Binding Head Tapping Screw
79	37085900	M2.6x6, Binding Head Tapping Screw
80	———	Head Base
81	37090700	Tape Guide
82	———	Button Bracket L Ass'y
83	———	Spacer (a-side mecha.)
85	37100400	Lug Plate
86	37090900	Plate
87	37091000	Spacer
88	37091100	S. Screw, back plate
97	37091200	Leaf Switch
98	37091300	Leaf Switch
99	37091400	Spring
100	37100500	REC Button (b-side mecha.)
#101	37104900	STOP Button
#102	37105000	F.F Button
#103	37105100	PAUSE Button
#104	37105200	PLAY Button
#105	37105300	REW Button
107	37101100	Counter Belt (b-side mecha.)

•Note: Parts without Stock numbers are not supplied even parts names are listed in the parts list.

SANSUI

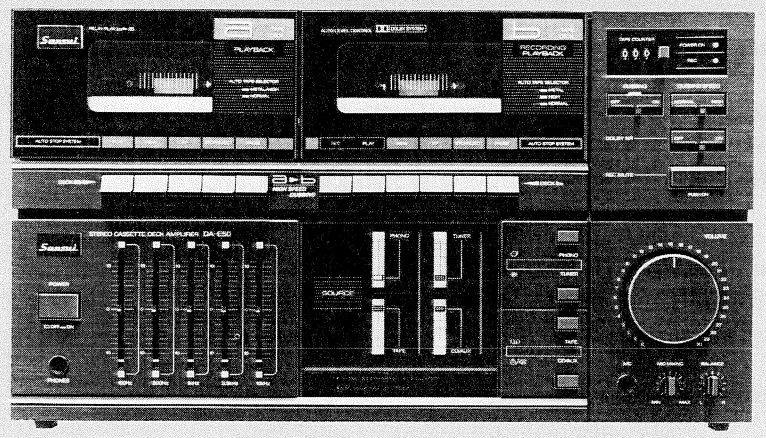
SANSUI ELECTRIC CO., LTD.: 14-1, Izumi 2-chome, Suginami-ku, Tokyo 168 Japan
PHONE: (03) 324-8891 / TELEX: 232-2076 (International Division)
SANSUI ELECTRONICS CORPORATION: 1250 Valley Brook Ave. Lyndhurst, N.J. 07071 U.S.A.
17150 South Margay Ave. Carson, California 90746 U.S.A.
3036 Koapaka Street. Honolulu, Hawaii 96819 U.S.A.
SANSUI ELECTRONICS (U.K.) LTD.: Unit 10A, Lyon Industrial Estate, Rockware Avenue, Greenford, Middx UB6. OAA, England
SANSUI ELECTRONICS G.M.B.H.: Paul Ehrich Strasse 8, 6074 Rödermark 2, West Germany
山水電気株式会社 HE国内営業部 サービス推進部 管理課 東京都三鷹市下連雀8-9-16(〒181) 電話0422-46-8131

(SM 2-19) Printed in Japan (1987.07.M) <Stock No.36534000>

SERVICE MANUAL

STEREO CASSETTE DECK AMPLIFIER

SANSUI DA-E50



CAUTION

1. Parts identified by the ⚠ symbol on the schematic diagram and the parts list are critical for safety. Use only replacement parts that have critical characteristics recommended by the manufacturer.
2. Make leakage-current or resistance measurements to determine that exposed parts are acceptably insulated from the supply circuit before returning the appliance to the customer.

Sansui

SANSUI ELECTRIC CO., LTD.

•SPECIFICATIONS

Amplifier section

Power output
Min. RMS, both channels driven, from 40 to 20,000 Hz, with no more than 0.5% total harmonic distortion.
25 watts per channel into 8 ohms.
Load impedance ..... 8 ohms
Total harmonic distortion
..... less than 0.5% at or below rated min. RMS power output
Frequency response (at 1 watt)
Overall (from CD/AUX)å
..... 10 to 50,000 Hz, +1 dB, −3 dB
Input sensitivity and impedance (at 1 kHz)
CD/AUX ..... 150 mV/47 kohms
MIC ..... 0.5 mV/10 kohms
Signal to noise ratio (short-circuit, A-network)
CD/AUX ..... Better than 90 dB
Equalizer frequency ..... 100 Hz, 330 Hz, 1 kHz, 3.3 kHz, 10 kHz
Level variation range... ±10 dB

Cassette deck section

Track format ..... 4-track/2-channel system
Tape speed ..... 4.8 cm/sec
Heads
Rec/play head ..... HIGH-Bs hard permalloy
Play head ..... HIGH-Bs hard permalloy
Erase head ..... Double-gap HIGH-Bs ferrite
Motor ..... Electronically controlled DC motor × 2
Wow/flutter ..... 0.12% max (WRMS)
Fast forwarding (rewinding) time
..... Approx. 110 sec. (for C-60 tape)
Frequency response (−20 VU recording/playback)
Normal tape (LH) ..... 20 to 15,000 Hz (30 to 14,000 Hz ±3 dB)
Chrome tape ..... 20 to 16,000 Hz (30 to 15,000 Hz ±3 dB)
Metal tape ..... 20 to 16,000 Hz (30 to 15,000 Hz ±3 dB)
Erasure rate (metal tape)
..... More than 70 dB at 1 kHz
Recording bias frequency
..... 105 kHz
Signal-to-noise ratio (Recording/playback with metal tape)
DOLBY NR OFF ..... Better than 54 dB
DOLBY NR ON ..... Better than 64 dB (above 5 kHz)

Others

Power voltage ..... 120/220/240V (50/60 Hz)
For U.S.A. & Canada... 120V (60 Hz)
Power consumption ..... 135 watts
160 VA Rated
160 watts Maximum
Dimensions ..... 380 mm (15″) W
222 mm (8-3/4″) H
301 mm (11-7/8″) D
Weight ..... 5.9 kg (13.0 lbs) net
7.0 kg (15.4 lbs) packed

* Design and specifications subject to changes without notice for improvements.
* Due to local laws and regulations, this unit sold in some areas are not equipped with variable voltage selectors
* Noise reduction system manufactured under license from Dolby Laboratories Licensing Corporation.
"Dolby" and the double D symbol are trade marks of Dolby Laboratories Licensing Corporation.

NOTE

1. The symbols, UL, CSA, SA, BS, UK, EU, AS, SEV, XX <EXPORT> and XX-V <EXPORT(V)> on the parts list and the schematic diagram mean followings respectively.

   UL..... Manufactured for U.S.A market.
   (Underwriters Laboratories approved model.)
   CSA..... Manufactured for Canadian market.
   SA..... Manufactured for South African market.
   BS, UK ..... Manufactured for United Kingdom market.
   EU ..... Manufactured for European market.
   AS..... Manufactured for Australian market.
   SEV ..... Manufactured for Swiss market.
   XX..... Standard Version with Inner Voltage Selector.
   <EXPORT>
   XX-V ..... Standard Version with Outer Voltage Selector.
   <EXPORT(V)>
   NON MARK ..... Common Parts.

2. Some printed circuit boards are not supplied assembled. To separate these in this service manual, the stock numbers are not indicated for these boards. However, stock numbers for individual parts are indicated.

3. Since some capacitors and resistors are omitted from parts lists in this service manual, refer to the Common Parts List for capacitors and resistors, which was issued on February 1983.

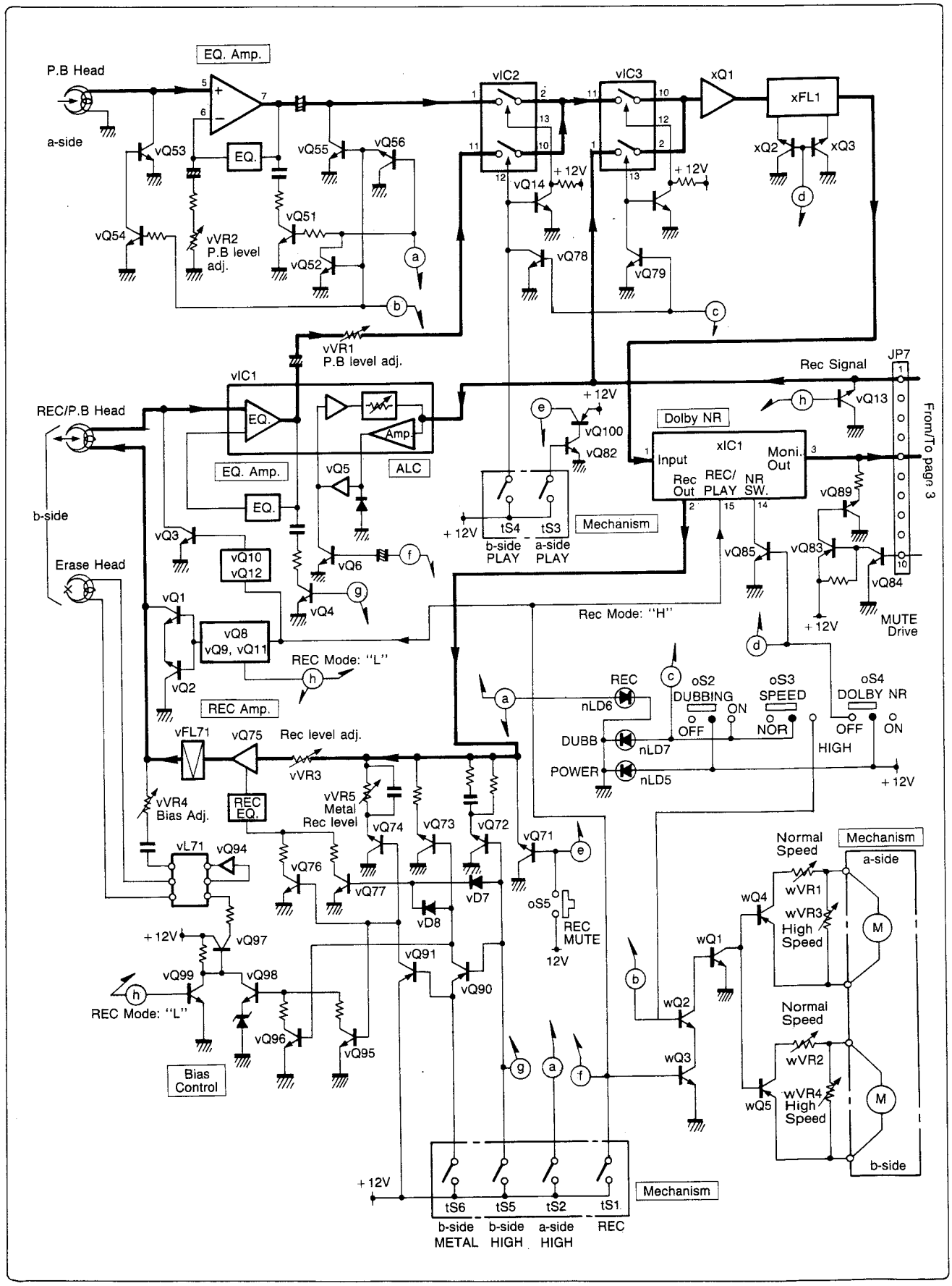
4. Abbreviations in this service manual are as follows.

•Abbreviations List

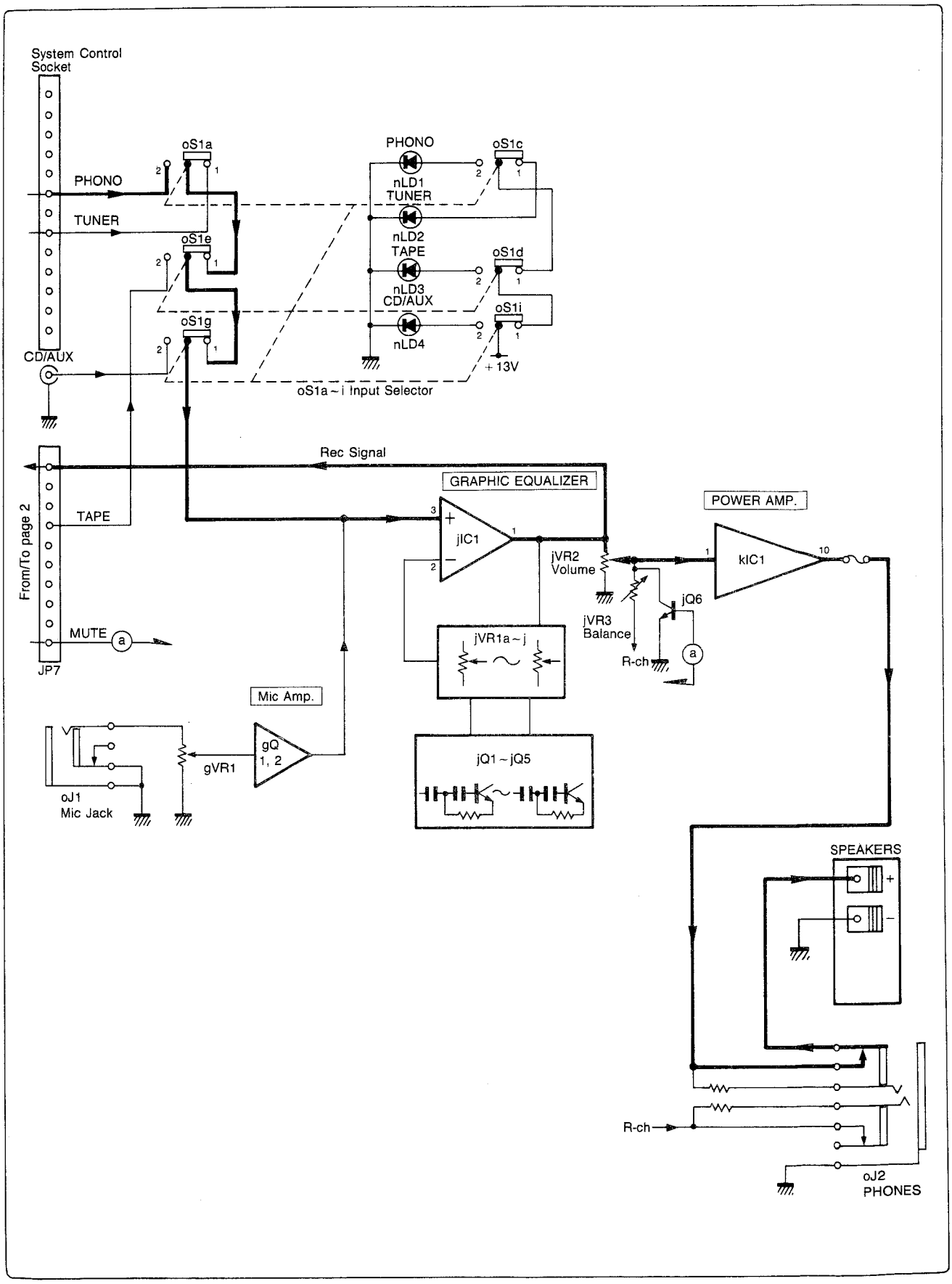
C.R.	: Carbon Resistor	E.B.L.	: Low Leak Bi-Polar Electrolytic Capacitor
S.R.	: Solid Resistor	Ta.C.	: Tantalum Capacitor
Ce.R.	: Cement Resistor	F.C.	: Film Capacitor
M.R.	: Metal Film Resistor	M.P.	: Metalized Paper Capacitor
F.R.	: Fusing Resistor	P.C.	: Polystyrene Capacitor
N.I.R.	: Non-Inflammable Resistor	G.C.	: Gimmic Capacitor
A.R.	: Array Resistor	A.C.	: Array Capacitor
C.C.	: Ceramic Capacitor	V.R.	: Variable Resistor
C.T.	: Ceramic Capacitor, Temperature Compensation	S.V.R.	: Semi Variable Resistor
E.C.	: Electrolytic Capacitor	SW.	: Switch
E.L.	: Low Leak Electrolytic Capacitor	Chip R.	: Chip Resistor
E.B.	: Bi-Polar Electrolytic Capacitor	Chip C.	: Chip Capaçitor

1. BLOCK DIAGRAM

1-1. Cassette Deck Section



1-2. Audio Amp. Section



2. OPERATIONS OF CASSETTE MECHANISM

Fig. 2-1 Front Side View of Mechanism Chassis

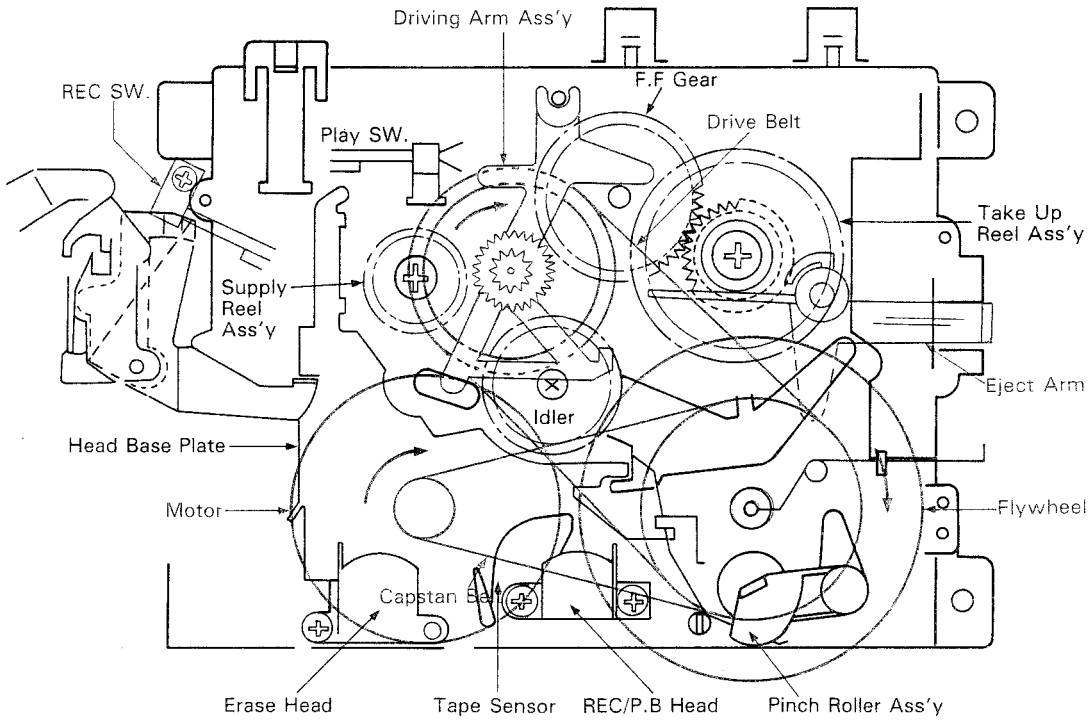
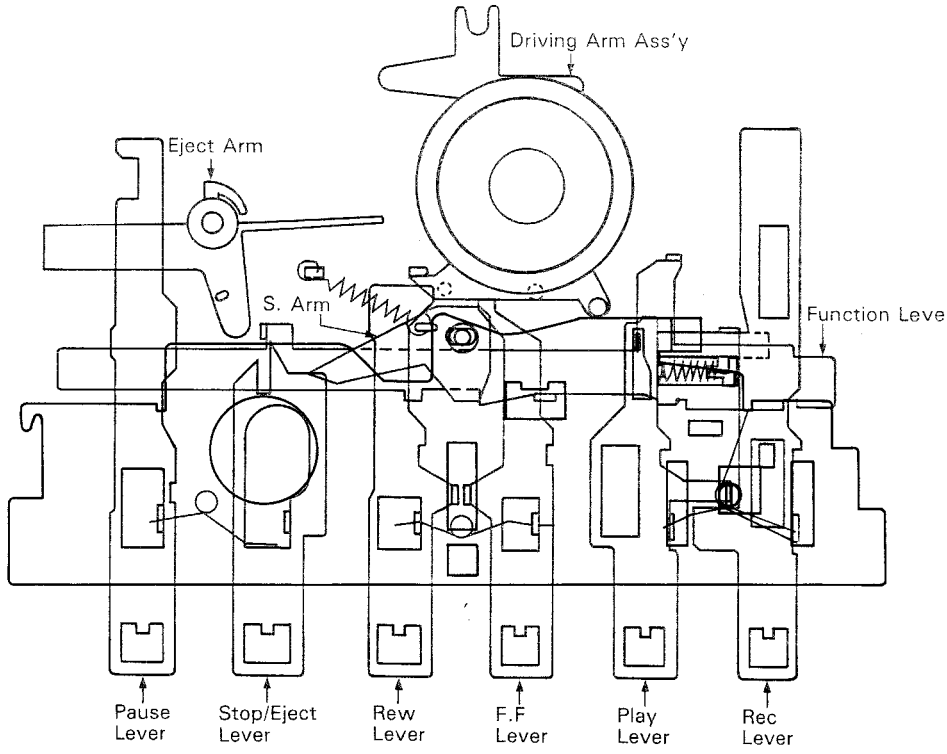
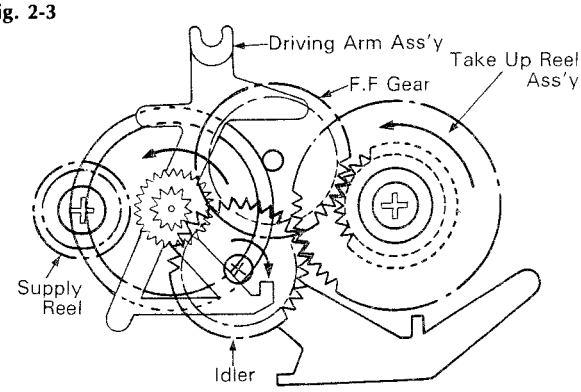


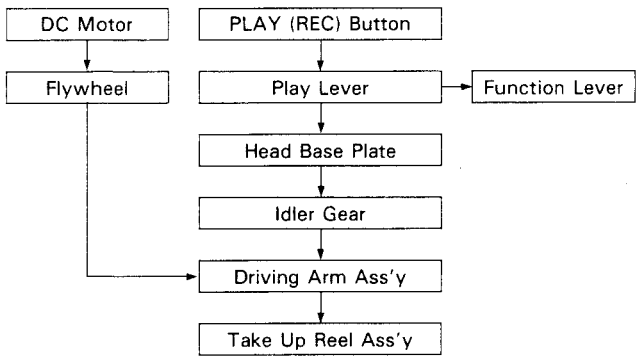
Fig. 2-2 Rear Side View of Mechanism Chassis



2-1. Playback Operation (See Figs. 2-1, 2-2, 2-3)

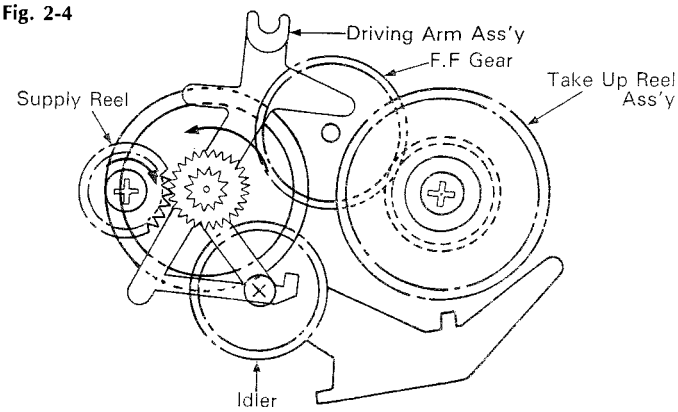
Fig. 2-3

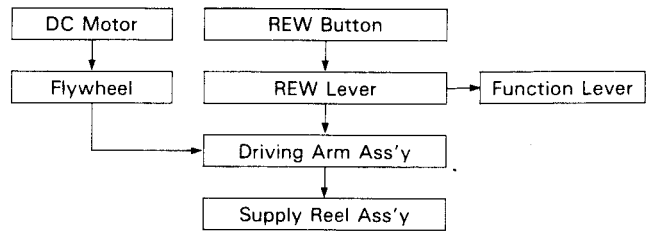




2-2. Fast-Foward Operation (See Figs. 2-1, 2-2, 2-4)

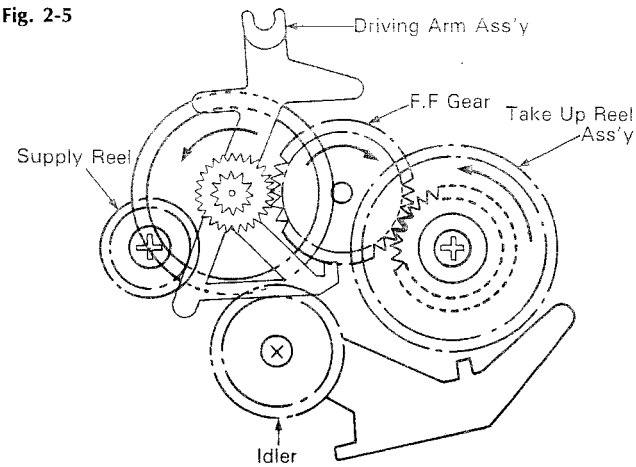
Fig. 2-4

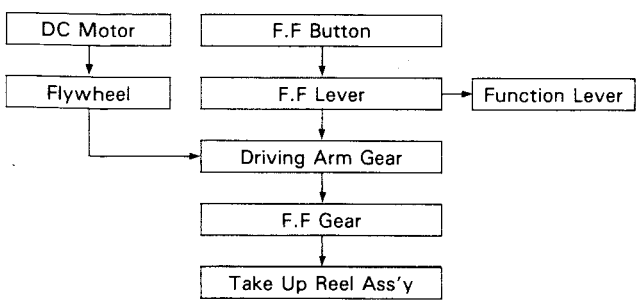




2-3 Rewind Operation (See Fig. 2-1, 2-2 & 2-5)

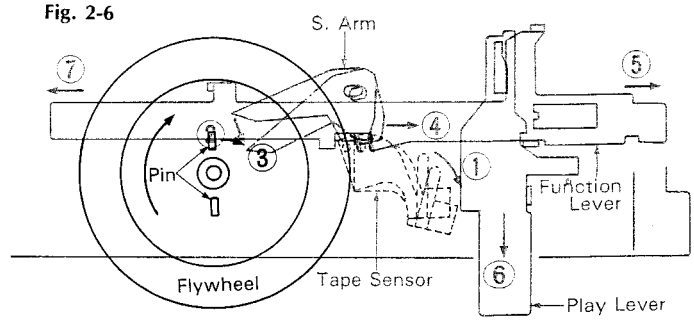
Fig. 2-5





2-4. Auto Shut-off Mechanism (Playback and Recording mode only) (See Fig. 2-6)

Fig. 2-6



The auto shut-off mechanism causes playback (recording) motion to stop when the tape stops running.

1) While the tape is running, tape sensor presses the tape due to weak tape tension.
2) When the running terminates, the tape sensor is pressed downward by the tape due to strong tape tension, and tape sensor pulls the s. arm, it is pushed by the pin of the flywheel ass'y and pushed the function lever, causing playback (recording) motion to terminate.

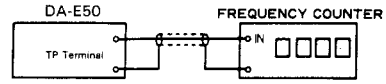
3. ADJUSTMENTS

3-1. Tape Speed Adjustment

• Adjust the tape speed of b-side as fast as a-side.

Note: 1. Use Sansui Test Tape, SCT-S3K.
(3 kHz signals are recorded on the tape).
2. Connections are shown in Fig. 3-1.

Fig. 3-1



1) Normal Speed Adjustment

STEP	SUBJECT	MEASURE OUTPUT	SETTING	ADJUSTMENT	ADJUST FOR	REMARKS
1.	a-side Mecha. (NORMAL)	TP Terminal, between (PointⒶ, output L-ch or PointⒷ, output R-ch) and GND on the F-5487. Frequency Counter See Fig. 3-5	Playback the TEST TAPE SCT-S3K. a-side Mecha.	Turn semi-variable resistor wVR1 on the F-5487 board.	3000Hz $^{+30Hz}_{-0Hz}$	See Fig. 3-5 on page 7.
2.	b-side Mecha. (NORMAL)	TP Terminal, between (PointⒶ, output L-ch or PointⒷ, output R-ch) and GND on the F-5487. Frequency Counter See Fig. 3-5	Playback the TEST TAPE SCT-S3K. b-side Mecha.	Turn semi-variable resistor wVR2 on the F-5487 board.	3000Hz $^{+30Hz}_{-0Hz}$	

2) High Speed Adjustment

Note: 1. Before this adjustment, regulate "1) Normal Speed Adjustment".
2. Set the DUBBING switch ..... OFF

STEP	SUBJECT	MEASURE OUTPUT	SETTING	ADJUSTMENT	ADJUST FOR	REMARKS
1.	a-side Mecha. (HIGH)	TP Terminal, between (PointⒶ, output L-ch or PointⒷ, output R-ch) and GND on the F-5487. Frequency Counter See Fig. 3-5	1.TP Terminal, short between PointⒸ and GND (See Fig. 3-5 on page 7) 2.Playback the TEST TAPE SCT-S3K. a-side Mecha.	Turn semi-variable resistor wVR3 on the F-5487 board.	6000Hz $^{+60Hz}_{-0Hz}$	See Fig. 3-5 on page 7.
2.	b-side Mecha. (HIGH)	TP Terminal, between (PointⒶ, output L-ch or PointⒷ, output R-ch) and GND on the F-5487. Frequency Counter See Fig. 3-5	1.TP Terminal, short between PointⒸ and GND (See Fig. 3-5 on page 7) 2.Playback the TEST TAPE SCT-S3K. b-side Mecha.	Turn semi-variable resistor wVR4 on the F-5487 board.	6000Hz $^{+60Hz}_{-0Hz}$	

3-2. Playback Adjustment

Note: 1. Before this adjustment, clean REC/P.B. head surface.
2. For this adjustment, use Sansui Test Tape, SCT-F10K and SCT-L400.
3. Set the Dolby NR switch to OFF.
4. Connections are shown in Fig. 3-2.

Fig. 3-2

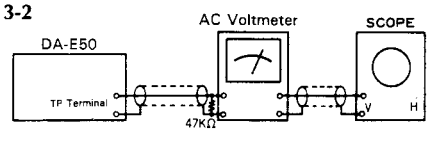
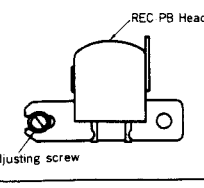


Fig. 3-3



1) a-Side Mecha. Adjustment

STEP	SUBJECT	MEASURE OUTPUT	SETTING	ADJUSTMENT	ADJUST FOR	REMARKS
1.	REC/P.B. Head Adj.	TP Terminal, between (PointⒶ, output L-ch or PointⒷ, output R-ch) and GND on the F-5487. AC Voltmeter and Scope	Playback the TEST TAPE SCT-F10K	Adjust the azimuth adjusting screw in Fig. 3-3.	MAX. Output both channels	Refer to removement of Lid Ass'y on Page 8. After this adjustment, lock the screw with paint.
2.	Playback Level Adj.	TP Terminal, between (PointⒶ, output L-ch or PointⒷ, output R-ch) and GND on the F-5487. AC Voltmeter and Scope	Playback the TEST TAPE SCT-L400	Adjust each vVR2 (L- and R-ch, F-5487)	580mV ± 2dB	See Fig. 3-5 on Page 7.

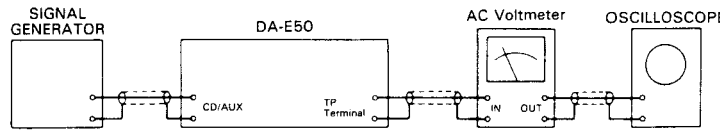
2) b-Side Mecha. Adjustment

STEP	SUBJECT	MEASURE OUTPUT	SETTING	ADJUSTMENT	ADJUST FOR	REMARKS
1.	REC/P.B. Head Adj.	TP Terminal, between (PointⒶ, output L-ch or PointⒷ, output R-ch) and GND on the F-5487. AC Voltmeter and Scope	Playback the TEST TAPE SCT-F10K	Adjust the azimuth adjusting screw in Fig. 3-3.	MAX. Output both channels	Refer to removement of Lid Ass'y on Page 8. After this adjustment, lock the screw with paint.
2.	Playback Level Adj.	TP Terminal, between (PointⒶ, output L-ch or PointⒷ, output R-ch) and GND on the F-5487. AC Voltmeter and Scope	Playback the TEST TAPE SCT-L400	Adjust each vVR1 (L- and R-CH, F-5487)	580mV ± 2dB	See Fig. 3-5.

3-3. REC Level & Frequency Response Adjustment <b-side mecha. only>

Note: 1. Connections are shown in Fig. 3-4.
2. Set the Dolby NR switch to OFF.
3. Set the CD/AUX switch to ON.

Fig. 3-4



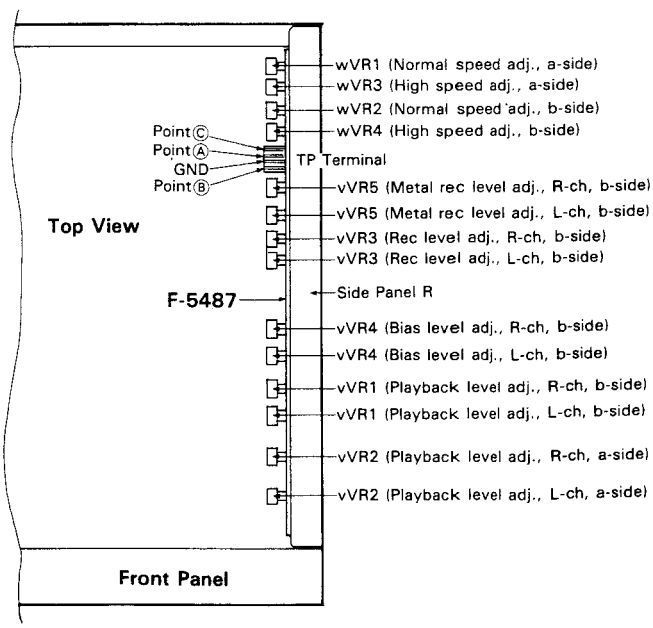
STEP	SUBJECT	INPUT SIGNAL	MEASURE OUTPUT	SETTING	ADJUSTMENT	REMARKS
1.	REC Level Adj.	Feed 1kHz, 50mV from S.G. into CD/AUX Input.	TP Terminal, between (PointⒶ, output L-ch or PointⒷ, output R-ch) and GND on the F-5487. AC Voltmeter and Scope	Load the TEST TAPE SCT-SA. 1.Push REC button. 2.Playback the 1kHz signal.	Adjust vVR3 (L and R-ch, F-5487) until playback level of the b-side Mecha. and output signal level on recording operation will be equal.	See Fig. 3-5.
2.	Frequency Response Adj.	Feed 1kHz 15mV and 10kHz 15mV from S.G. into CD/AUX Input	TP Terminal, between (PointⒶ, output L-ch or PointⒷ, output R-ch) and GND on the F-5487. AC Voltmeter and Scope	Load the TEST TAPE SCT-SA. 1.Record the 1kHz and 10kHz signals from S.G. 2.Playback the 1kHz and 10kHz signals, then confirm 10kHz signal level in less than 1kHz signal level ±2dB on VTVM.	1.If not, adjust vVR4 (L and R-ch, F-5487) slightly until the 10kHz signal level in less than 1kHz signal level ±2dB on VTVM.	See Fig. 3-5.
3.	Metal REC Level Adj.	Feed 1kHz, 50mV from S.G. into CD/AUX Input	TP Terminal, between (PointⒶ, output L-ch or PointⒷ, output R-ch) and GND on the F-5487. AC Voltmeter and Scope	Load the TEST TAPE SCT-MA. 1.Push REC button. 2.Playback the 1kHz signal.	Adjust vVR5 (L and R-ch, F-5487) until playback level of the b-side Mecha. and output signal level on recording operation will be equal.	See Fig. 3-5.

◆ List of Sansui Test Tape

Name of TEST TAPE	Recorded Frequency	Description	Equivalent To
SCT-F40	40 Hz	Playback Frequency Response Check	–
SCT-F1K	1 kHz	High Frequency Equialization Check	–
SCT-F10K	10 kHz	REC/PB Head Adjustment	–
SCT-L400N	400 Hz	Playback Level and Indicator Level Adjustment	–
SCT-S3K	3 kHz	Speed Check and Wow & Flutter Check	–
*SCT-AD (NORMAL)	–	Recording Bias Adjustment	TDK AD
*SCT-SA (HIGH)	–	REC/PB Level Adjustment	TDK SA
*SCT-MA (METAL)	–	Frequency Response Check	TDK MA

•**Note:** Some reference tapes marked * are not supplied.
As these are equivalent to ones indicated above, please obtain these blank tapes on your side as possible.

Fig. 3-5

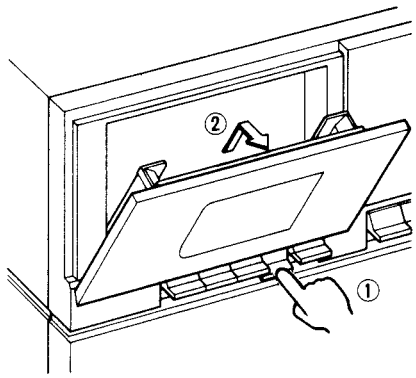

wVR1 (Normal speed adj., a-side)
wVR3 (High speed adj., a-side)
wVR2 (Normal speed adj., b-side)
wVR4 (High speed adj., b-side)
Point Ⓒ
Point Ⓐ
GND
Point Ⓑ
TP Terminal
vVR5 (Metal rec level adj., R-ch, b-side)
vVR5 (Metal rec level adj., L-ch, b-side)
Top View
vVR3 (Rec level adj., R-ch, b-side)
vVR3 (Rec level adj., L-ch, b-side)
F-5487
Side Panel R
vVR4 (Bias level adj., R-ch, b-side)
vVR4 (Bias level adj., L-ch, b-side)
vVR1 (Playback level adj., R-ch, b-side)
vVR1 (Playback level adj., L-ch, b-side)
vVR2 (Playback level adj., R-ch, a-side)
vVR2 (Playback level adj., L-ch, a-side)
Front Panel

4. MAIN PARTS REPLACEMENT

A. Cassette Lid A or B (See Fig. 4-1)

1) Depress the STOP/EJECT button to open cassette lid.
2) Slide the cassette lid up to remove it.

Fig. 4-1



B. Tape Counter Belt ⑩⑦

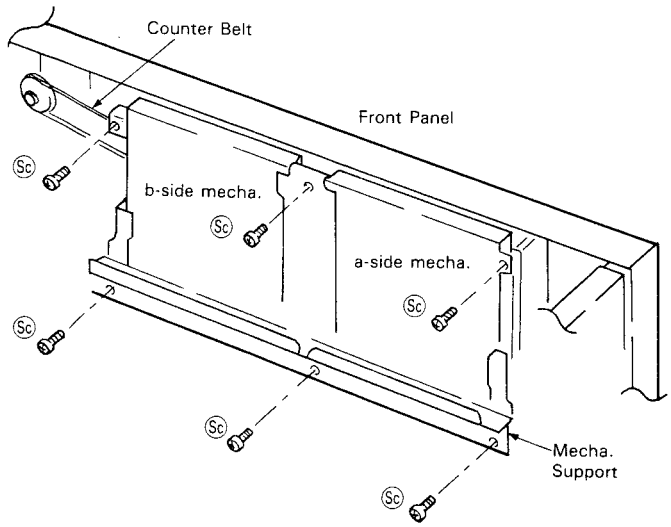
(See Exploded View of Mechanism Ass'y on page 17)

1) Remove the cassette lid B of b-side mecha.
2) Loosen the tow screws ⑦⑧ fixing cassette cover ② of b-side mecha.
3) Take out the tape counter belt ⑩⑦ from take-up reel ass'y ②②.

C. Mechanism Ass'y (See Fig. 4-2)

1) Remove the bonnet and the bottom plate.
2) Remove the tension bar. (See Top View on page 19)
3) Remove the tape counter belt from tape counter.
4) Remove the cassette lid and open the cassette case ①.
5) Take out the joint wire and rec spring from seesaw ass'y.
6) Loosen the six screws Ⓢc fixing mecha. ass'y (with mecha. support) and remove it from the front panel ass'y.

Fig. 4-2



D. Front Panel Ass'y

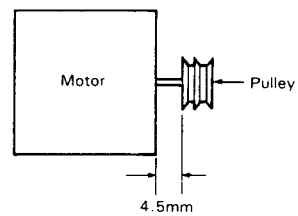
1) Remove the bonnet and the bottom plate.
2) Remove the side panel L and R.
3) Take out the mechanism ass'y.
4) Remove the tape counter from the front panel.
5) Take out the F-5488, F-5490, F-5491 and F-5492 from the front panel ass'y.

E. Driving Arm Ass'y ⑤⑧, Eject Arm ④⓪, Flywheel ③④ and Motor ⑦④ (See Exploded View of Mechanism Ass'y on page 17)

1) Take out the mecha. ass'y from set.
2) Loosen the screws ②⑦ to remove a- or b-side mecha. ass'y from connect plate A ass'y ⑦⓪.
3) Loosen the two screws ⑥④ fixing motor bracket ⑦② and remove the motor ⑦④ (with the motor bracket).
4) Remove the washer ③⑥ to take out the flywheel ③④.
5) Loosen the two screws ③ and the screw ⑧⑧ to remove the back plate ③⑦.
6) Take out the eject arm ④⓪.
7) Remove the T. spring ④① to take out the driving arm ass'y ⑤⑧.

Note: When installing the pulley to the motor, adjust the gap between the motor and the pulley so as to be about 4.5mm (See Fig. 4-3)

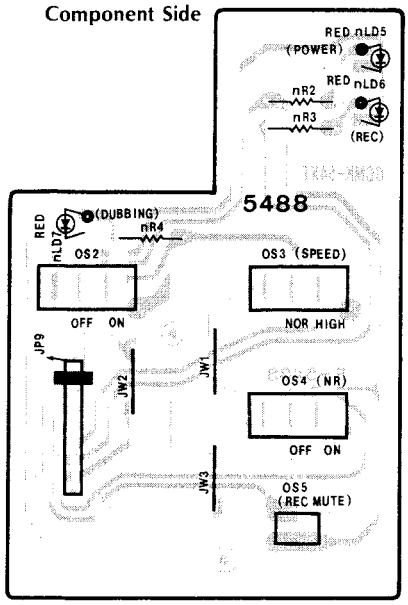
Fig. 4-3



5. PARTS LOCATION ON BOARD

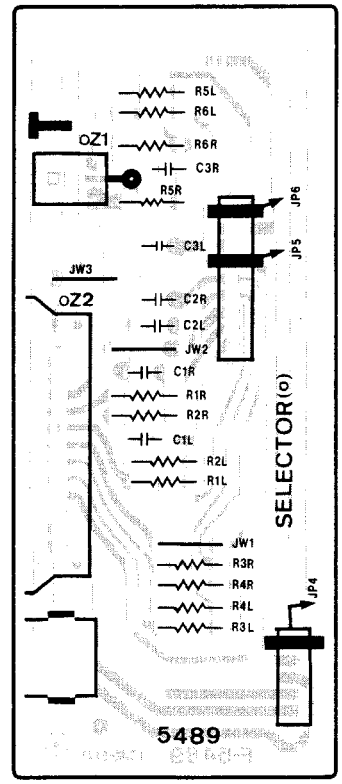
5-1. F-5488 DUBBING, DOLBY NR & REC MUTE Switch Board

Component Side



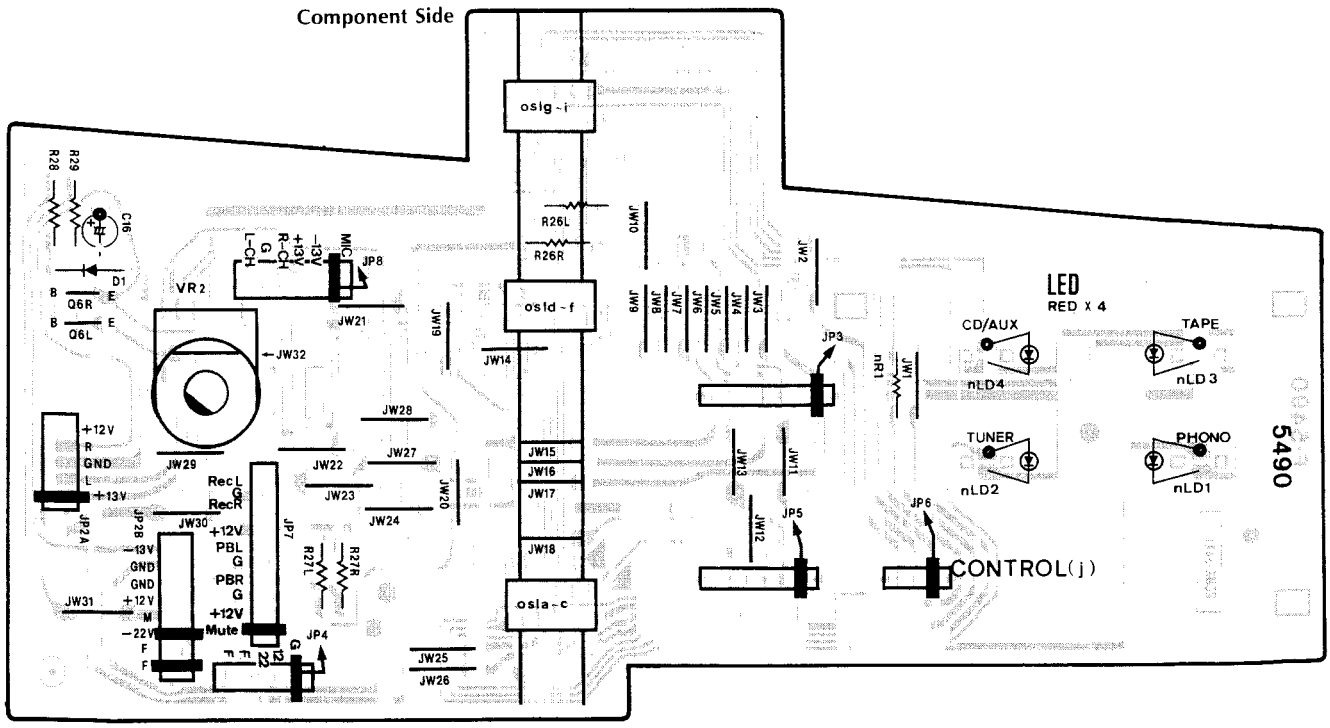
5-2. F-5489 System Control Terminal Board

Component Side



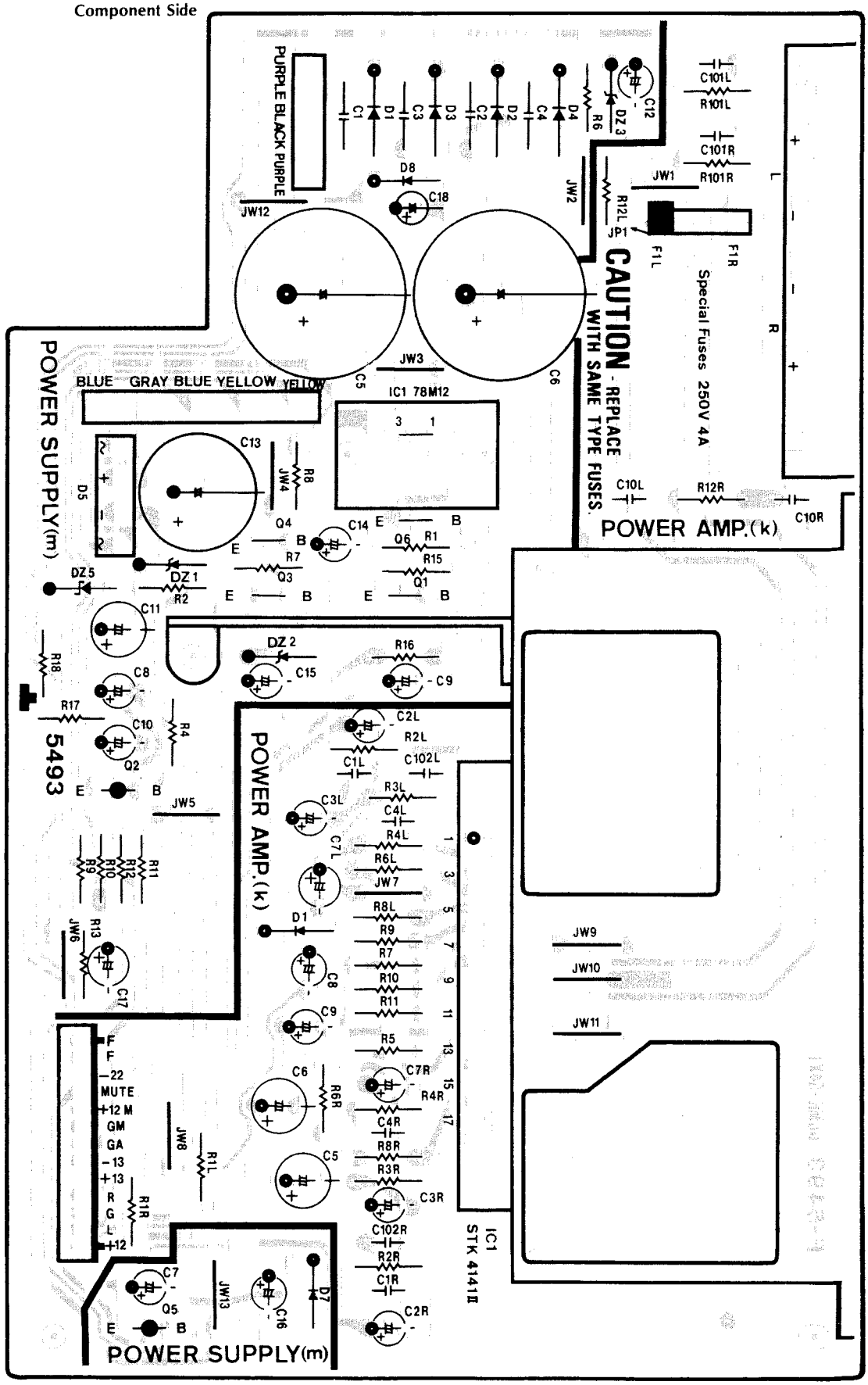
5-3. F-5490 Input Selector Switch Board

Component Side



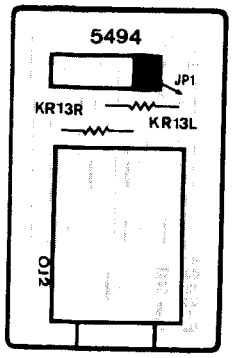
5-7. F-5493 Power Amp. & Power Supply Board

Component Side



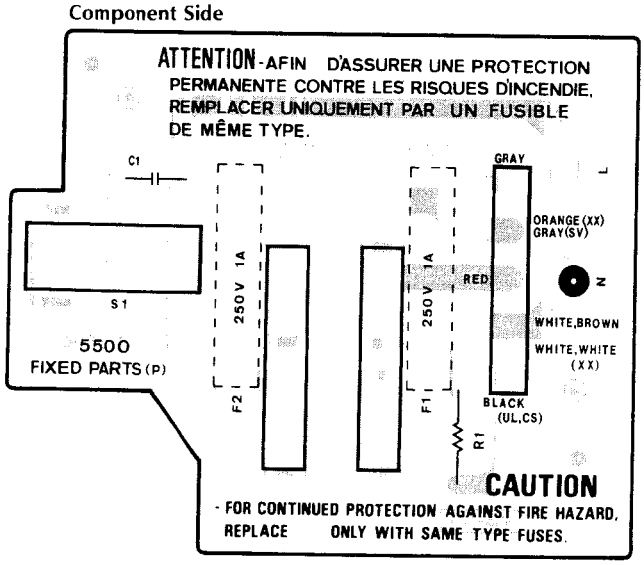
5-8. F-5494 PHONES Jack Board

Component Side



5-9. F-5500 POWER Switch Board

Component Side



6. ELECTRICAL PARTS LIST OF BOARD

6-1. F-5488 DUBBING, DOLBY NR REC MUTE Switch Board

Parts No.	Stock No.	Description
•LED		
nLD5	46176900	TLS-123, POWER
nLD6	46176900	TLS-123, REC
nLD7	46176900	TLS-123, DUBBING
oS2	48316300	Slide SW., DUBBING
oS3	48316300	Slide SW., DUBBING SPEED
oS4	48316300	Slide SW., DOLBY NR
oS5	46708100	Push SW., REC MUTE

6-2. F-5489 System Control Terminal Board

Parts No.	Stock No.	Description
oZ2	48582200	13P ST Socket, system control
oZ1	48528400	2P Terminal, CD/AUX

6-3. F-5490 Input Selector Board (Stock No. 00998801)

Parts No.	Stock No.	Description
•Transistor		
jQ6	46367101	2SC2603
	or 46367301	2SC2458
	or 48058801	2SC1740S
•Diode		
jD1	03117600	1S2473T77
	or 46086000	1S1588TP-3
jVR2	48139800	150kΩ (B) V.R., VOLUME
•LED		
nLD1	46176900	TLS-123, PHONO
	or 46470200	SEL2210S
	or 48189000	GL3HD8
nLD2	46176900	TLS-123, TUNER
	or 46470200	SEL2210S
	or 48189000	GL3HD8
nLD3	46176900	TLS-123, TAPE
	or 46470200	SEL2210S
	or 48189000	GL3HD8
nLD4	46176900	TLS-123, CD/AUX
	or 46470200	SEL2210S
	or 48189000	GL3HD8
oS1	48587200	Push SW., Input Selector

6-4. F-5491 MIC & BALANCE Volume Board

Parts No.	Stock No.	Description
•Transistor		
gQ1	46926101	2SA1174
gQ2	46926201	2SC2784
gVR1	48345900	20kΩ (A) V.R., MIC MIXING
jVR3	48345800	250kΩ V.R., BALANCE
oJ1	07219700	Jack, MIC

6-5. F-5492 Graphic Equalizer Board (Stock No. 00999001)

Parts No.	Stock No.	Description
•Transistor		
jQ1	46367101	2SC2603
	or 46367301	2SC2458
	or 48058801	2SC1740S
jQ2	46367101	2SC2603
	or 46367301	2SC2458
	or 48058801	2SC1740S
jQ3	46367101	2SC2603
	or 46367301	2SC2458
	or 48058801	2SC1740S
jQ4	46367101	2SC2603
	or 46367301	2SC2458
	or 48058801	2SC1740S
jQ5	46367101	2SC2603
	or 46367301	2SC2458
	or 48058801	2SC1740S
•IC		
jIC1	46673800	M5218P

6-6. F-5487 Cassette Deck Recording/Playback Amp. Board (Stock No. 00998501)

Parts No.	Stock No.	Description
•Transistor		
vQ1	46581701	2SC1845
vQ2	46581701	2SC1845
vQ3	46359801	2SC2001
vQ4	46367101	2SC2603
	or 46367301	2SC2458
	or 48058801	2SC1740S
vQ5	46367101	2SC2603
	or 46367301	2SC2458
	or 48058801	2SC1740S
vQ6	46367101	2SC2603
	or 46367301	2SC2458
	or 48058801	2SC1740S
vQ8	46581601	2SA992
vQ9	48230200	DTC124XS
vQ10	48229200	DTA124XS
vQ11	48230200	DTC124XS
vQ12	48230200	DTC124XS
vQ13	46367101	2SC2603
	or 46367301	2SC2458
	or 48058801	2SC1740S
vQ14	46367101	2SC2603
	or 46367301	2SC2458
	or 48058801	2SC1740S
vQ15	46367101	2SC2603
	or 46367301	2SC2458
	or 48058801	2SC1740S

<F-5487>

Parts No.	Stock No.	Description
vQ51	46367101	2SC2603
	or 46367301	2SC2458
	or 48058801	2SC1740S
vQ52	46367101	2SC2603
	or 46367301	2SC2458
	or 48058801	2SC1740S
vQ53	48223100	DTC114TS
vQ54	46367101	2SC2603
	or 46367301	2SC2458
	or 48058801	2SC1740S
vQ55	48230200	DTC124XS
vQ56	48223100	DTC114TS
vQ71	46367101	2SC2603
	or 46367301	2SC2458
	or 48058801	2SC1740S
vQ72	46367101	2SC2603
	or 46367301	2SC2458
	or 48058801	2SC1740S
vQ73	46367101	2SC2603
	or 46367301	2SC2458
	or 48058801	2SC1740S
vQ74	46367101	2SC2603
	or 46367301	2SC2458
	or 48058801	2SC1740S
vQ75	46367101	2SC2603
	or 46367301	2SC2458
	or 48058801	2SC1740S
vQ76	46367101	2SC2603
	or 46367301	2SC2458
	or 48058801	2SC1740S
vQ77	46367101	2SC2603
	or 46367301	2SC2458
	or 48058801	2SC1740S
vQ78	48230200	DTC124XS
vQ79	48230200	DTC124XS
vQ80	46367101	2SC2603
	or 46367301	2SC2458
	or 48058801	2SC1740S
vQ81	48230200	DTC124XS
vQ82	46367101	2SC2603
	or 46367301	2SC2458
	or 48058801	2SC1740S
vQ83	48229200	DTA124XS
vQ84	46367101	2SC2603
	or 46367301	2SC2458
	or 48058801	2SC1740S
vQ85	48230200	DTC124XS
vQ86	46367101	2SC2603
	or 46367301	2SC2458
	or 48058801	2SC1740S
vQ87	48229200	DTA124XS
vQ88	46367101	2SC2603
	or 46367301	2SC2458
	or 48058801	2SC1740S
vQ89	46367101	2SC2603
	or 46367301	2SC2458
	or 48058801	2SC1740S
vQ90	46367001	2SA1115
	or 46367201	2SA1048
	or 48058601	2SA933S
vQ91	46367001	2SA1115
	or 46367201	2SA1048
	or 48058601	2SA933S
vQ92	48223100	DTC114TS
vQ93	48223100	DTC114TS
vQ94	46614101	2SC3243
	or 46725801	2SC1627A
vQ95	46367101	2SC2603
	or 46367301	2SC2458
	or 48058801	2SC1740S
vQ96	46367101	2SC2603
	or 46367301	2SC2458
	or 48058801	2SC1740S

to be continued ►

<F-5487>

Parts No.	Stock No.	Description
vQ97	46614101	2SC3243
vQ98	46367101	2SC2603
	or 46367301	2SC2458
	or 48058801	2SC1740S
vQ99	46367101	2SC2603
	or 46367301	2SC2458
	or 48058801	2SC1740S
vQ100	48229200	DTA124XS
•IC		
vIC1	48365900	M51542L
vIC2	07224800	TC4066BP
	or 46421000	μPD4066BC
	or 48054500	MSM4066BRS
	or 48063800	BU4066B
vIC3	07224800	TC4066BP
	or 46421000	μPD4066BC
	or 48054500	MSM4066BRS
	or 48063800	BU4066B
vIC51	46638700	M5220P
•Diode		
vD1	46464100	1SS133
vD2	46464100	1SS133
vD3	46464100	1SS133
vD4	46464100	1SS133
vD5	46464100	1SS133
vD6	46464100	1SS133
vD7	46464100	1SS133
vD8	46464100	1SS133
vD9	46464100	1SS133
vD10	46464100	1SS133
vD11	46464100	1SS133
•Zener Diode		
vDZ1	46112900	05Z9.1-X
	or 46113000	05Z9.1-Y
	or 46113100	05Z9.1-Z
vDZ2	46111100	05Z5.1-X
	or 46111200	05Z5.1-Y
	or 46111300	05Z5.1-Z
vDZ3	46111100	05Z5.1-X
	or 46111200	05Z5.1-Y
	or 46111300	05Z5.1-Z
vDZ4	48552000	MTZ5.1AT-77
	or 48552100	MTZ5.1BT-77
	or 48552200	MTZ5.1CT-77
vDZ5	48550200	MTZ2.4AT-77
	or 48550300	MTZ2.4BT-77
	or 48628000	RD2.4B ES
	or 48628100	RD2.4B1 ES
	or 48628200	RD2.4B2 ES
vC3	48663500	560pF 50V C.C.
vC7	46928500	10μF 16V E.C.
vC8	46928500	10μF 16V E.C.
vC9	46931200	1μF 50V E.C.
vC12	46928500	10μF 16V E.C.
vC15	46928500	10μF 16V E.C.
vC16	46928500	10μF 16V E.C.
vC18	46931500	3.3μF 50V E.C.
vC56	46928500	10μF 16V E.C.
vC59	46928500	10μF 16V E.C.
vC73	46931200	1μF 50V E.C.
vC76	46931500	3.3μF 50V E.C.
vC78	46695500	0.013μF 50V F.C.
vC84	46928500	10μF 16V E.C.
vC88	46931200	1μF 50V E.C.
vC92	46657800	8200pF 100V F.C.
vC93	46928500	10μF 16V E.C.
vFL71	48497900	Trap Filter
vL1	48594700	Inductor
vL71	48497800	OSC Coil

<F-5487>

Parts No.	Stock No.	Description
vVR1	48078800	2.2kΩ S.V.R., P.B level adj., b-side
	or 48278300	2kΩ (B) S.V.R.,
vVR2	48078300	330Ω S.V.R., P.B level adj., a-side
vVR3	48079600	47kΩ S.V.R., Rec level adj., b-side
vVR4	48079800	100kΩ S.V.R., Bias adj., b-side
	or 48278800	100kΩ (B) S.V.R.,
vVR5	48079600	47kΩ S.V.R., Metal rec level adj., b-side
•Transistor		
wQ1	48230200	DTC124XS
wQ2	46367101	2SC2603
	or 46367301	2SC2458
	or 48058801	2SC1740S
wQ3	46367101	2SC2603
	or 46367301	2SC2458
	or 48058801	2SC1740S
wQ4	46367001	2SA1115
	or 46367201	2SA1048
	or 48058601	2SA933S
wQ5	46367001	2SA1115
	or 46367201	2SA1048
	or 48058601	2SA933S
wVR1	48278200	1kΩ (B) S.V.R., Normal speed adj., a-side
wVR2	48278200	1kΩ (B) S.V.R., Normal speed adj., b-side
wVR3	48078700	1.5kΩ S.V.R., High speed adj., a-side
wVR4	48078700	1.5kΩ S.V.R.,High speed adj., b-side
•Transistor		
xQ1	46367101	2SC2603
	or 46367301	2SC2458
	or 48058801	2SC1740S
xQ2	46367101	2SC2603
	or 46367301	2SC2458
	or 48058801	2SC1740S
xQ3	46367101	2SC2603
	or 46367301	2SC2458
	or 48058801	2SC1740S
•IC		
xIC1	48519800	TA7770N
xC1	46931200	1μF 50V E.C.
xC4	48663600	680pF 50V C.C.
xC5	48663600	680pF 50V C.C.
xC7	46931600	4.7μF 50V E.C.
xC9	46928500	10μF 16V E.C.
xC10	46928500	10μF 16V E.C.
xC14	46928500	10μF 16V E.C.
xC16	46930600	0.1μF 50V E.C.
xC17	46931000	0.47μF 50V E.C.
xC19	46931600	4.7μF 50V E.C.
xFL1	48715000	Dolby Filter

6-7. F-5493 Power Amp. & Power Supply Board
(Stock No. 00999101)

Parts No.	Stock No.	Description
⚠kIC1	46563100	STK4141-II
•Diode		
kD1	03117600	1S2473T77
	or 46086000	1S1588TP-3
kC10	46283700	0.047μF 50V F.C.
⚠kF1	04336300	QA Fuse 4.0A 250V
⚠kR5	46229000	100Ω 1/2W N.I.R.
⚠kR6	46230600	2.2kΩ 1/2W N.I.R.
⚠kR7	46229000	100Ω 1/2W N.I.R.
⚠kR10	46230200	1kΩ 1/2W N.I.R.
⚠kR11	46230200	1kΩ 1/2W N.I.R.
⚠kR12	46227800	10Ω 1/2W N.I.R.
⚠kR13	46229400	220Ω 1/2W N.I.R.
•Transistor		
⚠mQ1	48150101	2SD1406
⚠	or 48508801	2SC3851
⚠	or 48509401	2SD1761
⚠mQ2	46359701	2SA952
⚠	or 46614001	2SA1283
⚠	or 48000801	2SA934
⚠mQ3	48150101	2SD1406
⚠	or 48508801	2SC3851
⚠	or 48509401	2SD1761
mQ4	46367101	2SC2603
	or 46367301	2SC2458
	or 48058801	2SC1740S
mQ5	46367001	2SA1115
	or 46367201	2SA1048
	or 48058601	2SA933S
mQ6	46367101	2SC2603
	or 46367301	2SC2458
	or 48058801	2SC1740S
•IC		
⚠mIC1	48470100	μPC78M12H
⚠	or 48566000	AN78M12
•Diode		
⚠mD1	03117700	10E-2
⚠mD2	03117700	10E-2
⚠mD3	03117700	10E-2
⚠mD4	03117700	10E-2
⚠mD5	03117000	RB152-LFF
mD7	03117600	1S2473T77
	or 46086000	1S1588TP-3
mD8	03117700	10E-2
•Zener Diode		
mDZ1	46114300	05Z13-Z
	or 46828000	RD15E-B1
mDZ2	46114200	05Z13-Y
	or 46827900	RD13E-B3
mDZ3	46115800	05Z22-Z
	or 46829700	RD24E-B1
mDZ5	46114300	05Z13-Z
	or 46828000	RD15E-B1
⚠mR1	46230100	820Ω 1/2W N.I.R.
⚠mR2	46230100	820Ω 1/2W N.I.R.
⚠mR6	46250800	1.8kΩ 1W N.I.R.
⚠mR7	46250400	820Ω 1W N.I.R.
mC1	08680400	0.01μF 500V C.C.
mC2	08680400	0.01μF 500V C.C.
mC3	08680400	0.01μF 500V C.C.
mC4	08680400	0.01μF 500V C.C.
mC5	46190500	3300μF 45V E.C.
mC6	46190500	3300μF 45V E.C.
oZ3	46549200	4P Speaker Terminal

6-8. F-5494 PHONES Jack Board

Parts No.	Stock No.	Description
oJ2	24306200	Jack, PHONES

6-9. F-5500 POWER Switch Board

Parts No.	Stock No.	Description
⚠pR1	00048100	3.3MΩ 1/2W S.R. (UL & CSA)
⚠pC1	46425800	0.01μF 400V C.C.
⚠	or 46943200	0.01μF 400V C.C.
⚠	or 48186700	0.01μF 400V C.C.
⚠pF1	48721100	250V 1A AC Fuse (XX-V)
⚠	48721300	250V 2A AC Fuse (UL, CSA)
⚠	07184700	250V 1A AC Fuse (EU, UK, AS and SEV)
⚠pF2	48721100	250V 1A AC Fuse (XX-V)
⚠	07184400	250V 0.5A AC Fuse (SEV)
⚠pS1	46413900	Push SW., POWER

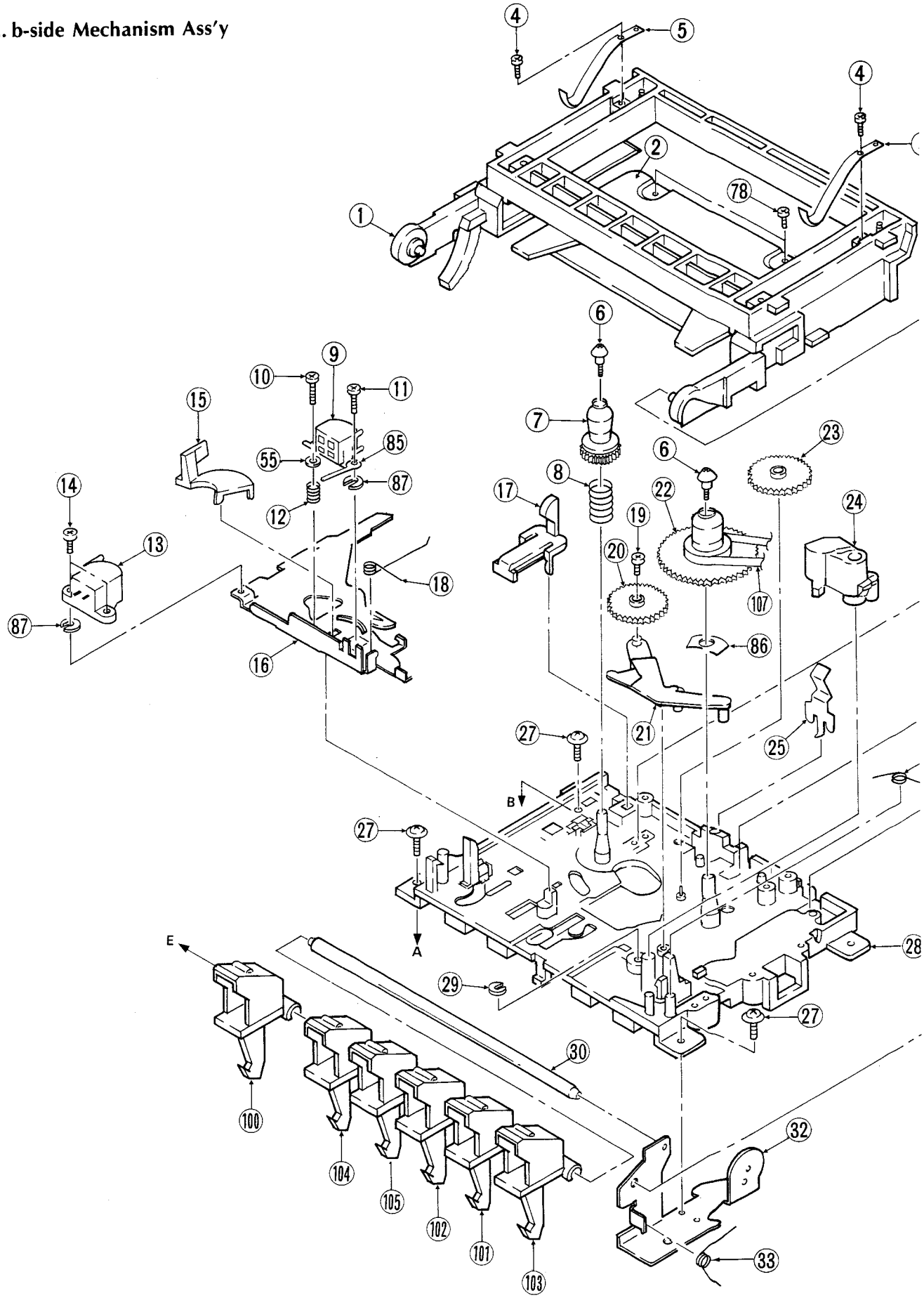
7. EXPLODED VIEW OF MECHANISM ASS'Y & PARTS LIST

Parts List <a- and b-side mechanism>

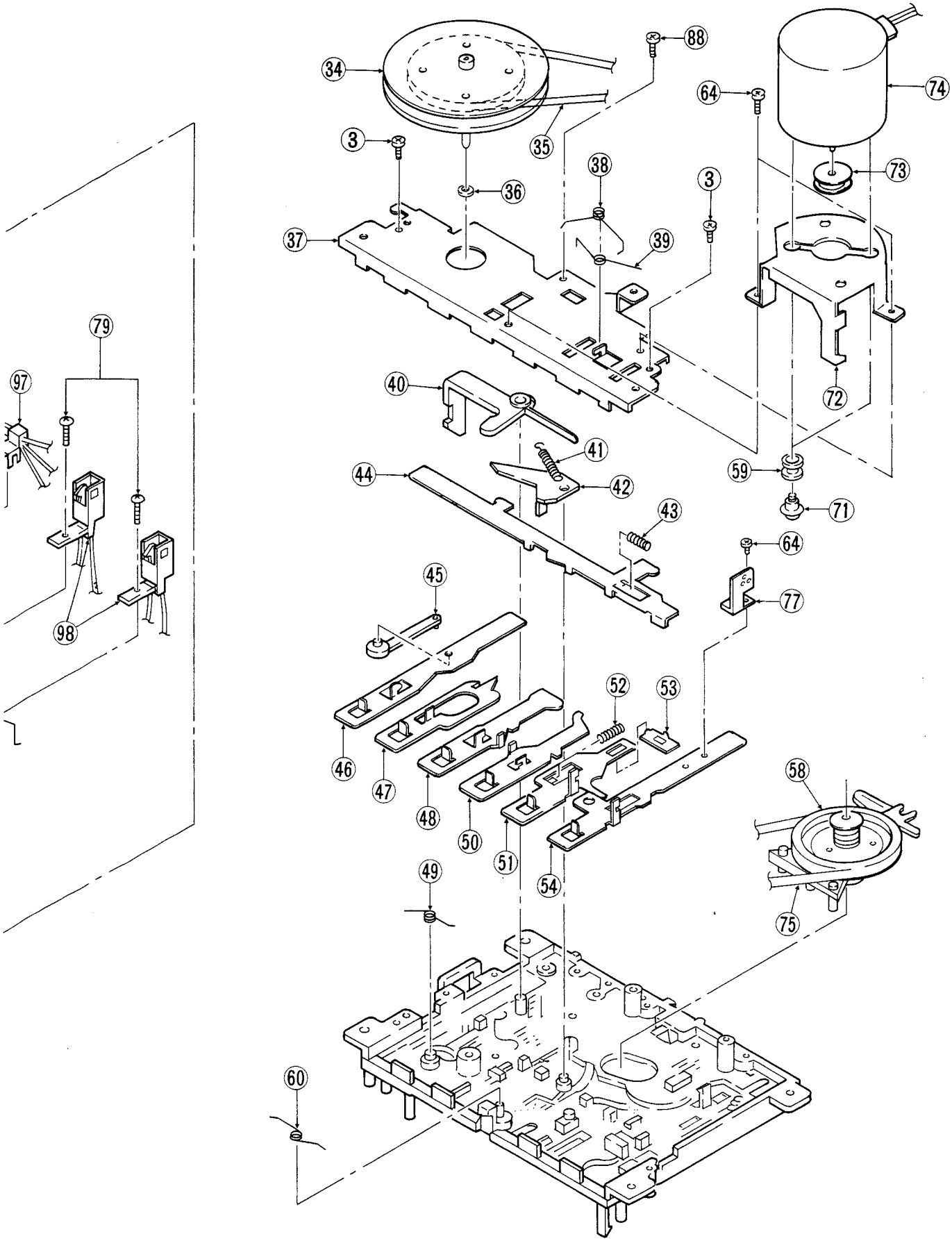
Parts No.	Stock No.	Description
1	37085700	Cassette Holder
2	37085800	Mechanism Cover
3	37085900	M2.6x6 Binding Head Tapping Screw
4	09418300	M2x5 Binding Head Tapping Screw
5	09416100	Keep Plate
6	37086000	S. Screw, Reel
7	37086100	Supply Reel
8	37086200	C. Spring
9	37086300	REC/P.B Head
10	37086400	Azimuth Adjusting Screw
11	37086500	M2x3, Pan Head Screw
12	37086600	Head Adjusting Spring
13	37086700	Erase Head (b-side mecha.)
14	37086800	M2x5, Binding Head Screw, erase head
15	37086900	Tape Sensor
16	———	Head Base plate (b-side mecha.)
17	37087000	Interlock Arm (b-side mecha.)
18	37087100	Pinch Arm Spring
19	37087200	S. Screw, idler
20	37087300	Idler Gear
21	37087400	Idler Arm
22	37087500	Take-Up Reel Ass'y
23	37087600	F. Gear
24	37087700	Pinch Roller Ass'y
25	37087800	Cassette Holder Spring
26	37087900	Earth Spring
27	37088000	M2.6x6, Flanged Head Screw
28	37088100	Chassis Ass'y
29	37088200	N. Washer
30	———	Button Shaft
32	———	Button Bracket R
33	37088300	Spring
34	37088400	Flywheel Ass'y
35	37088500	Capstan Belt
36	37088600	P. Washer
37	———	Back Plate
38	37088700	Spring
39	37088800	Spring
40	37088900	Eject Arm
41	37089000	Spring
42	———	S. Arm.
43	37089100	C. Spring
44	———	Function Lever
45	37089200	Pause Arm
46	———	Pause Lever
47	———	S.E Lever
48	———	F.F Lever
49	37089300	Spring
50	———	REW Lever
51	———	Play Lever
52	37089400	C. Spring
53	———	Rec Stop Lever
54	———	Rec Lever
55	37089500	F. Washer
56	37089600	Leaf Switch
57	37089700	M2x8, Bind Head Screw
58	37089800	Driving Arm Ass'y
59	47001100	Rubber Cushion
60	37089900	Spring
61	37090000	E. Ring
62	37090100	Gear
63	———	Connect Lever Ass'y
64	37090200	M2x4, Pan Head Screw
65	———	CS Ring
66	———	Spring
67	———	Lock Plate
68	———	Unlock Plate
69	———	Connect Lever
70	———	Connect Plate A Ass'y
71	47001200	Motor Screw
72	———	Motor Bracket
73	37090300	Motor Pulley
74	37090400	Motor
75	37090500	Drive Belt
76	———	Pause Lever
77	———	RSW Plate
78	37090600	M2.6x6, Binding Head Tapping Screw
79	37085900	M2.6x6, Binding Head Tapping Screw
80	———	Head Base
81	37090700	Tape Guide
82	———	Button Bracket L Ass'y
83	———	Spacer (a-side mecha.)
85	37100400	Lug Plate
86	37090900	Plate
87	37091000	Spacer
88	37091100	S. Screw, back plate
97	37091200	Leaf Switch
98	37091300	Leaf Switch
99	37091400	Spring
100	37100500	Rec Button (b-side mecha.)
101	37100900	Stop Button
102	37100800	F.F Button
103	37101000	Pause Button
104	37100600	Play Button
105	37100700	REW Button
107	37101100	Counter Belt (b-side mecha.)

•Note: Parts without Stock numbers are not supplied even parts names are listed in the parts list.

7. 7-2. b-side Mechanism Ass'y

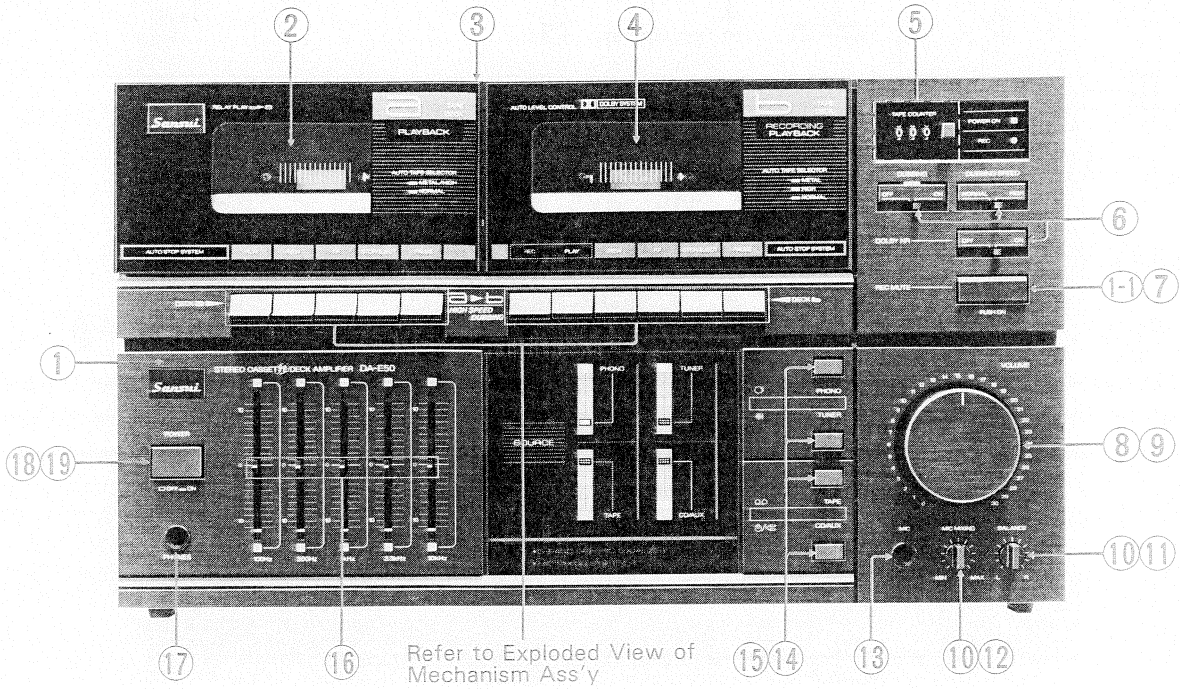


• Though every part included in mechanism ass'y is numbered in exploded view, parts unlisted in the parts list are not supplied.



8. OTHER PARTS

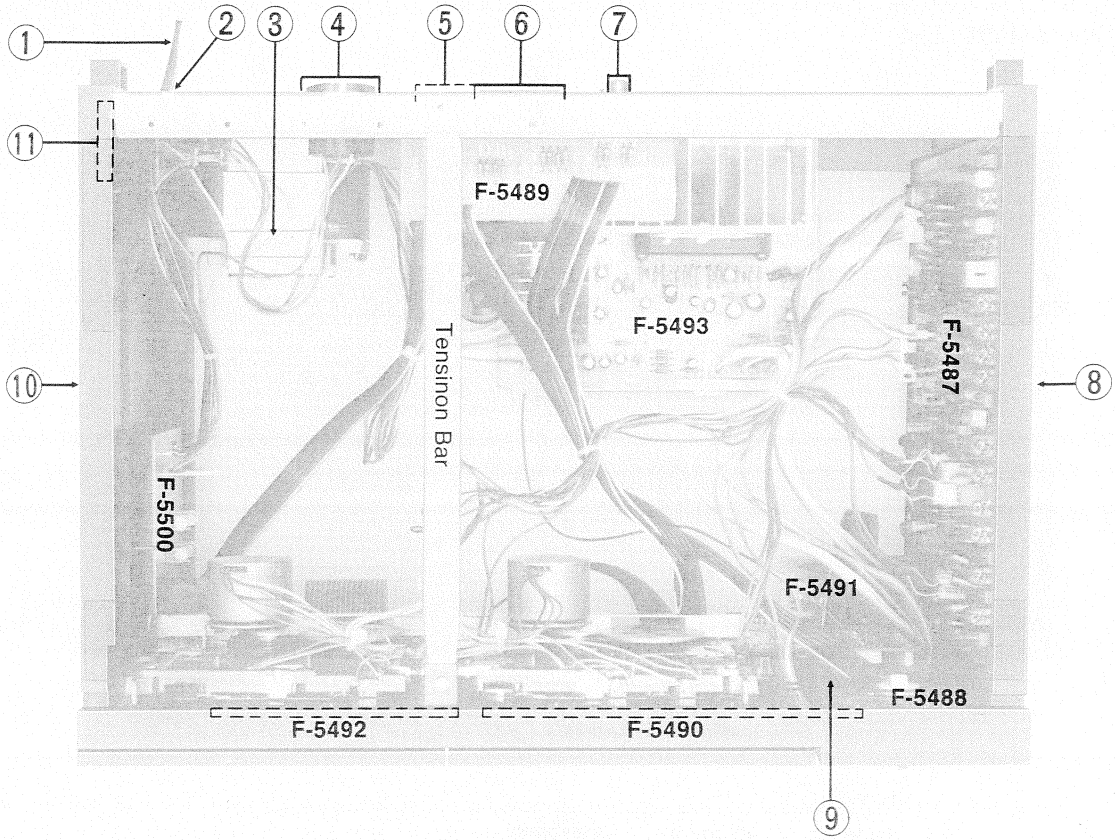
8-1. Front View & Parts List



Parts List

Parts No.	Stock No.	Description
1	27231600	Front Panel Ass'y
2	27261500	a-side Cassette Lid Ass'y
3	27231500	Bonnet
4	27261600	b-side Cassette Lid Ass'y
5	48485200	Tape Counter
6	48316300	Slide SW., DUBBING·DOLBY NR
7	46708100	Push SW., REC MUTE
8	48139800	150kΩ (B) V.R., VOLUME
9	27084000	Knob, VOLUME
10	47683600	Knob, MIC MIXING·BALANCE
11	48345800	250kΩ V.R., BALANCE
12	48345900	20kΩ (A) V.R., MIC MIXING
13	07219700	Jack, MIC
14	48587200	Push SW., Input Selector
15	27232500	Push Knob, Input Selector
16	48520500	50kΩ Volume Ass'y, Graphic Equalizer
17	24306200	Jack, PHONES
⚠18	46413900	Push SW., POWER
	27039800	Push Knob, POWER

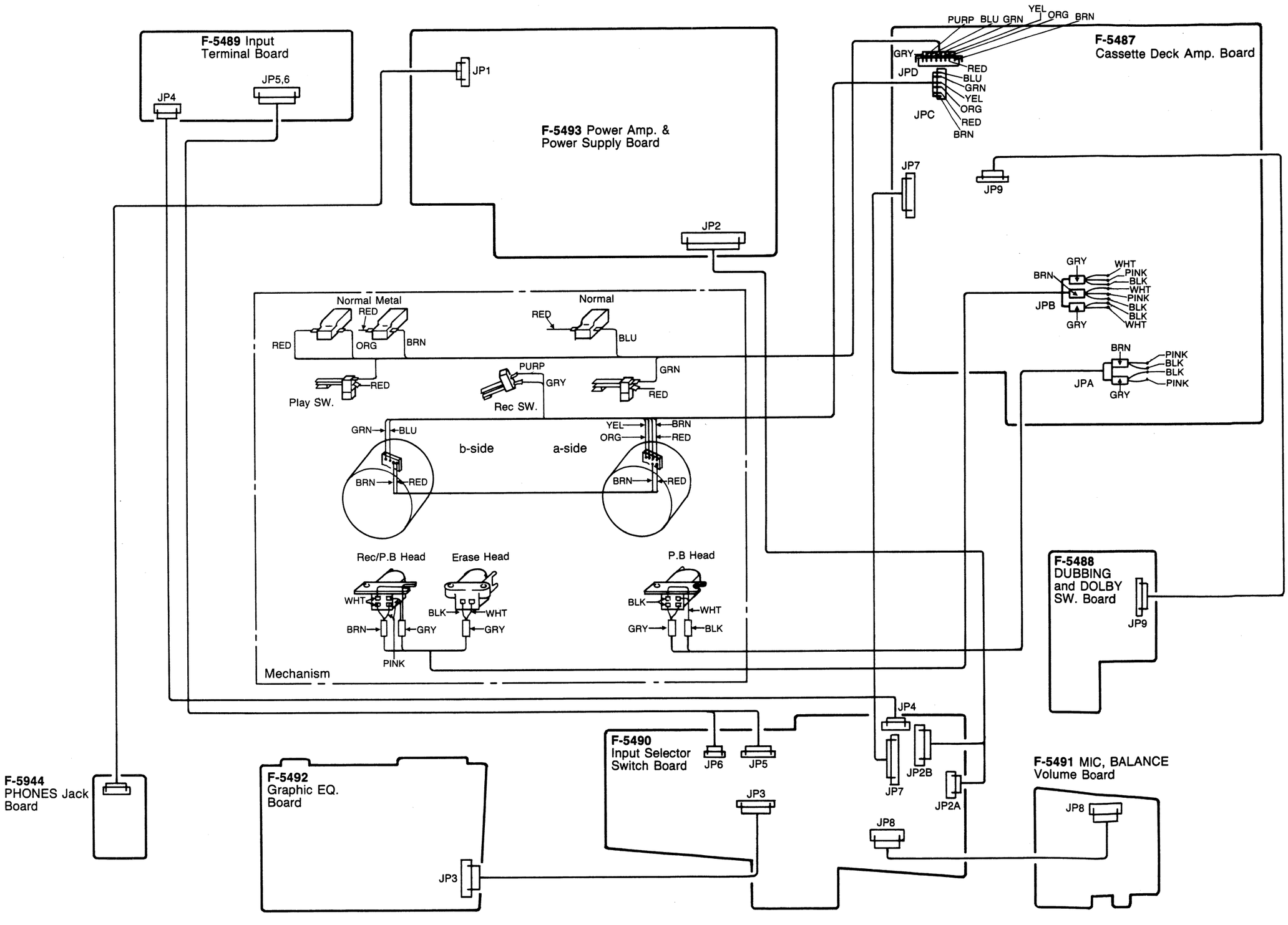
8-2. Top View & Parts List



Parts List

Parts No.	Stock No.	Description
⚠ 1	38004700	Power Supply Cord (XX-V)
⚠	48187500	Power Supply Cord-polarized (XX-V)
⚠	38004500	Power Supply Cord (EU & SEV)
⚠	38004300	Power Supply Cord (UK)
⚠	07204200	Power Supply Cord (AS)
⚠	48187800	Power Supply Cord-polarized (UL & CSA)
⚠ 2	46364900	AC Outlet (XX-V)
⚠	48184000	AC Outlet-polarized (XX-V, UL & CSA)
⚠	46161000	AC Outlet (EU & SEV)
⚠	46364800	AC Outlet (UK)
⚠	46580600	AC Outlet (AS)
⚠ 3	15026309	Power Transformer (XX-V)
⚠	15026302	Power Transformer (UL & CSA)
⚠	15026305	Power Transformer (EU, UK, AS & SEV)
⚠ 4	48175200	Voltage Selector (XX-V)
⚠	07204700	Slide SW., voltage selector (EU, UK, AS & SEV)
5	46549200	4P Speaker Terminal
6	48582200	13P ST Socket, system control
7	48528400	2P Input Terminal, CD/AUX
8	27233500	Side Panel Ass'y (R)
9	37092100	Tape Counter Belt
10	27233400	Side Panel Ass'y (L)
11	47390300	AC Cord Cover

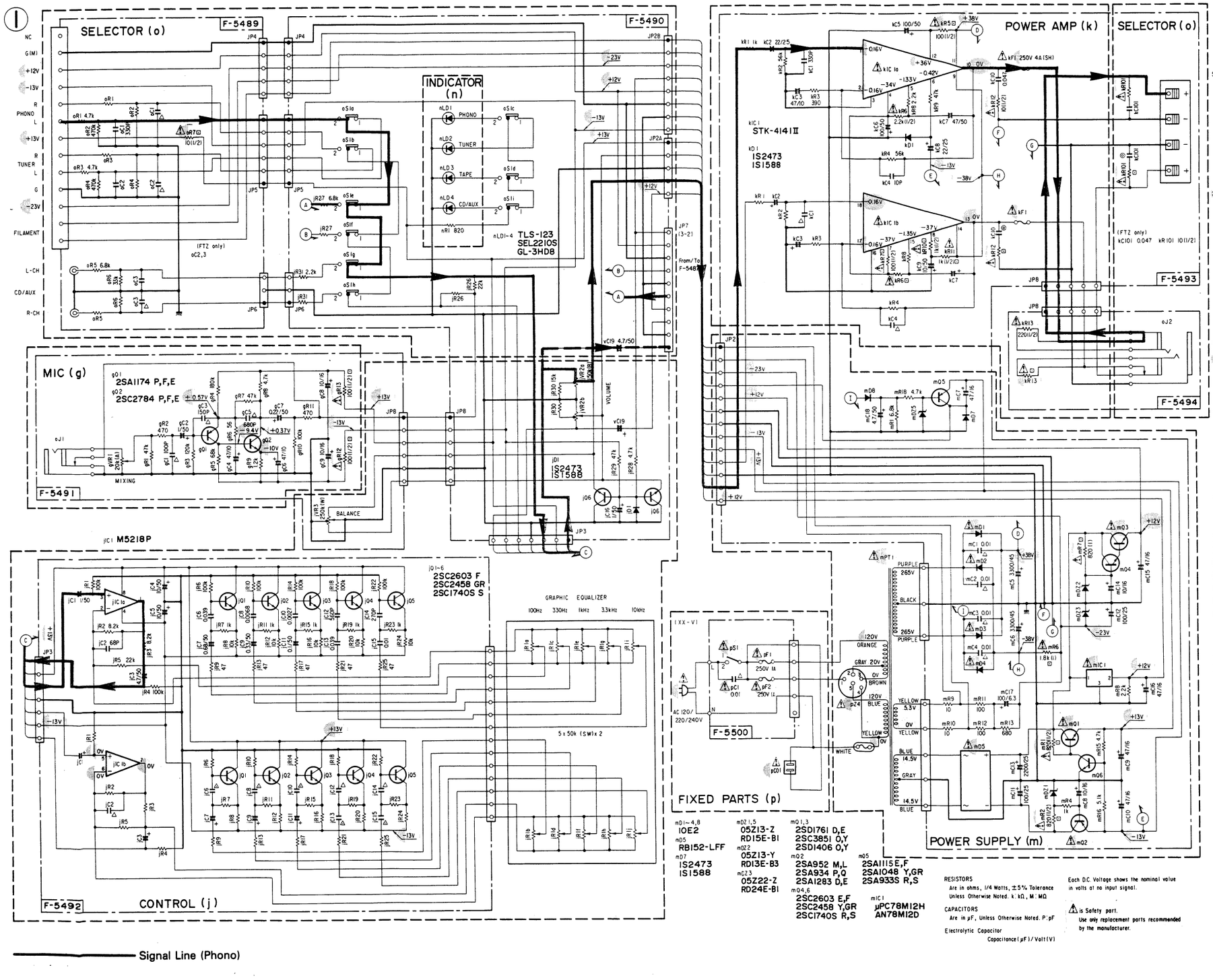
9. WIRING DIAGRAM



10. SCHEMATIC DIAGRAM

10-1. Power Amp. & Power Supply Section

*Design and specifications subject to change without notice for improvement.
*La présention et les spécifications sont susceptibles d'être modifiées sans préavis par suites d'améliorations éventuelles.
*Änderungen, die dem technischen Fortschritt dienen, bleiben vorbehalten.



Signal Line (Phono)

mD1~4,8 1OE2
mD5 RB152-LFF
mD7 1S2473 IS1588
mDZ1,5 05Z13-Z RD15E-BI
mDZ2 05Z13-Y RD13E-B3
mDZ3 05Z22-Z RD24E-BI
mQ1,3 2SD1761 D,E 2SC3851 O,Y 2SD1406 O,Y
mQ2 2SA952 M,L 2SA934 P,Q 2SA1283 D,E
mQ4,6 2SC2603 E,F 2SC2458 Y,GR 2SC1740S R,S
mQ5 2SA1115E,F 2SA1048 Y,GR 2SA933S R,S
mIC1 µPC78M12H AN78M12D

RESISTORS
Are in ohms, 1/4 Watts, ±5% Tolerance
Unless Otherwise Noted. k: kΩ, M: MΩ

CAPACITORS
Are in µF, Unless Otherwise Noted. P: pF

Electrolytic Capacitor
Capacitance(µF)/Volt(V)

Each D.C. Voltage shows the nominal value in volts at no input signal.

⚠ is Safety part.
Use only replacement parts recommended by the manufacturer.

2SA992 2S1740
2SC1845 2SA933
2SC2001 2SA1174
2SC2784 2SC2784
2SC3243 DTA124
DTC114
DTC124

2SA1048
2SA1115
2SC2458
2SC2603

M5220P

µPD4066BC
BU4066B
M5218P
M51542L
MSM4066BRS
TA7770N

Dot or Slit or Line

µPC78M12H 1SS133
AN78M12

1S1588
1S2473D
10E2

RB152LFF

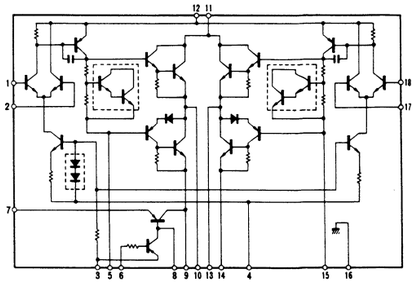
STK4141II

05Z5.1
05Z9.1
05Z13
05Z22
RD2.4B
RD15E
RD24E

SYMBOL OF FUNCTION
(j) CONTROL
(k) POWER AMP
(m) POWER SUPPLY
(n) INDICATOR
(o) SELECTOR
(p) FIXED PARTS

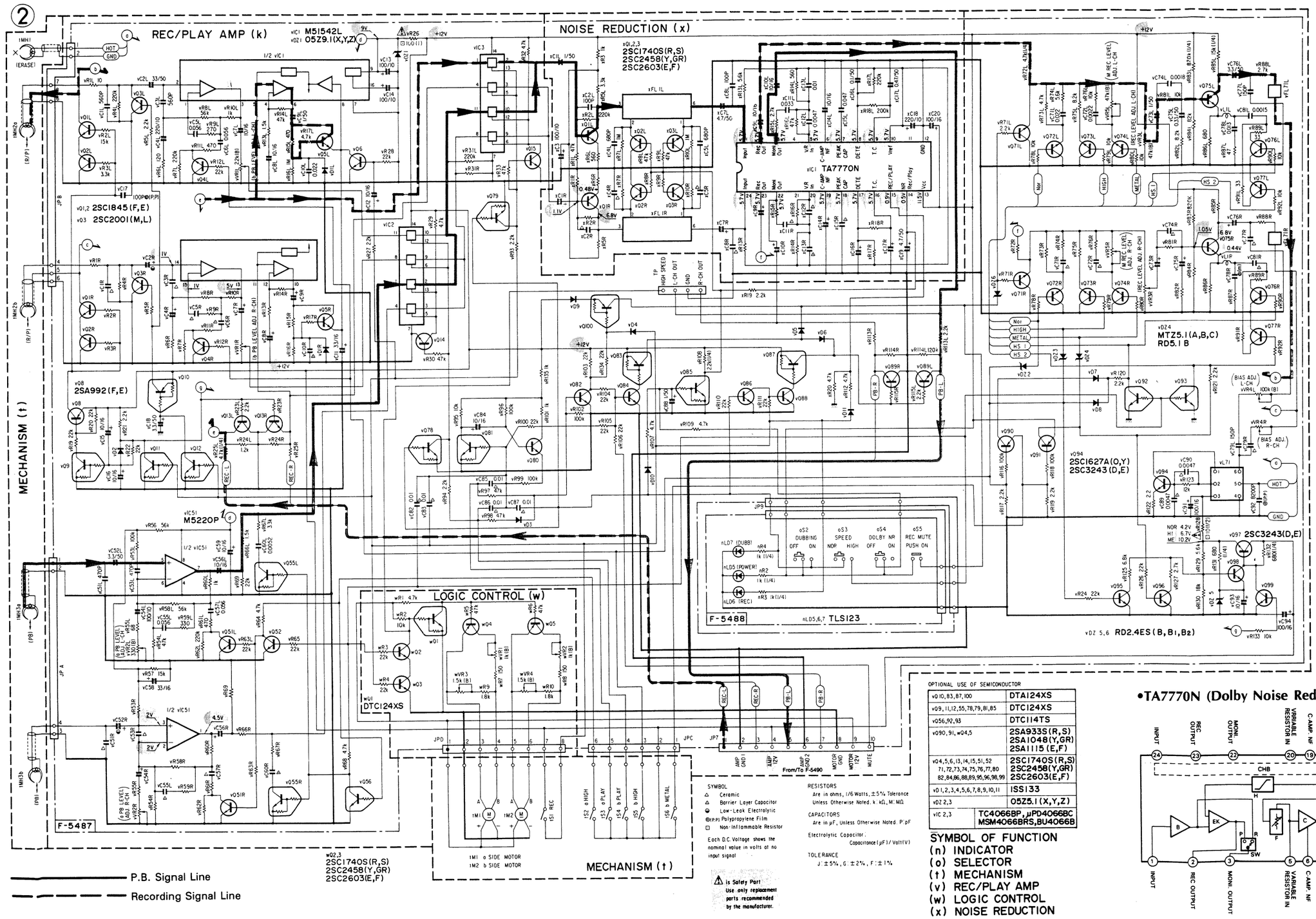
SYMBOL
△ Ceramic
△ Barrier Layer Capacitor
◎ Film
□ Non-Inflammable Resistor

•STK4141II (Power Amp.)



10-2. Cassette Deck Amp. Section

* Design and specifications subject to change without notice for improvement.
* La présention et les spécifications sont susceptibles d'être modifiées sans préavis par suites d'améliorations éventuelles.
* Änderungen, die dem technischen Fortschritt dienen, bleiben vorbehalten.



2SA992 2S1740
2SC1845 2SA933
2SC2001 2SA1174
2SC2784 2SC2784
2SC3243 DTA124
DTC114
DTC124

2SA1048
2SA1115
2SC2458
2SC2603

M5220P

μPD4066BC
BU4066B
M5218P
M51542L
MSM4066BRS
TA7770N

Dot or Slit or Line

μPC78M12H
AN78M12

1SS133

1S1588
1S2473D
10E2

RB152LFF

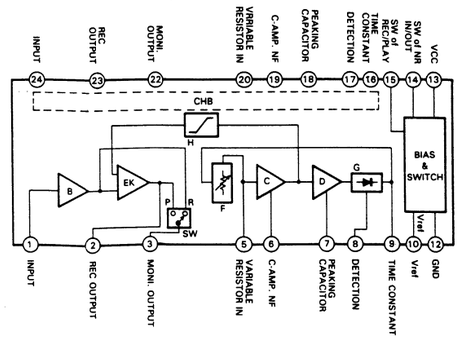
STK414111

05Z5.1
05Z9.1
05Z13
05Z22
RD2.4B
RD15E
RD24E

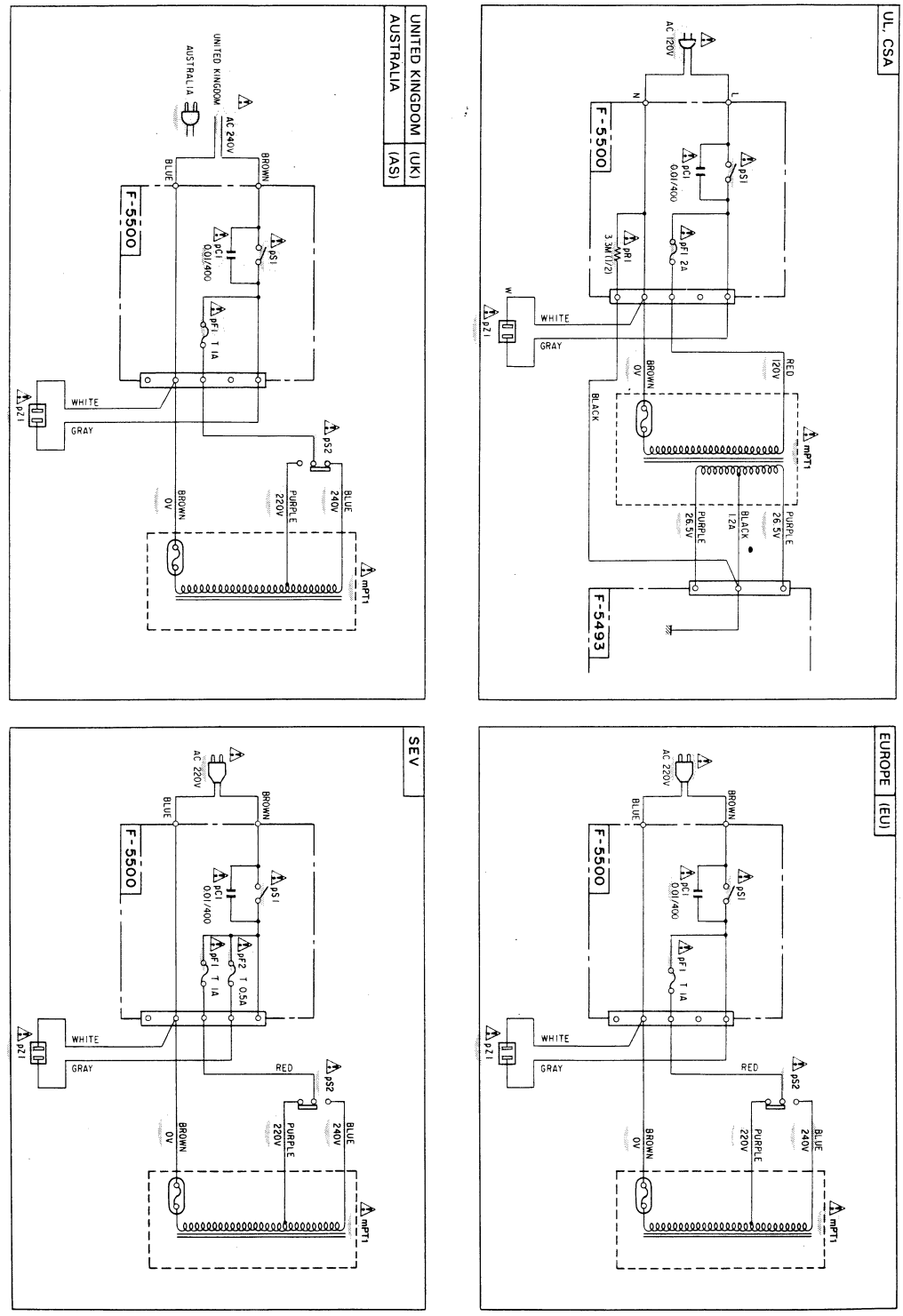
OPTIONAL USE OF SEMICONDUCTOR	
vQ10,83,87,100	DTA124XS
vQ9,11,12,55,78,79,81,85	DTC124XS
vQ56,92,93	DTC114TS
vQ90,91,wQ4,5	2SA933S(R,S) 2SA1048(Y,GR) 2SA1115(E,F)
vQ4,5,6,13,14,15,51,52 71,72,73,74,75,76,77,80 82,84,86,88,89,95,96,98,99	2SC1740S(R,S) 2SC2458(Y,GR) 2SC2603(E,F)
vQ1,2,3,4,5,6,7,8,9,10,11	1SS133
vDZ2,3	05Z5.1(X,Y,Z)
vIC2,3	TC4066BP, μPD4066BC MSM4066BRS, BU4066B

SYMBOL OF FUNCTION
(n) INDICATOR
(o) SELECTOR
(t) MECHANISM
(v) REC/PLAY AMP
(w) LOGIC CONTROL
(x) NOISE REDUCTION

• TA7770N (Dolby Noise Reduction)



10-3. Power Supply (Primary Side) Section



SYMBOL OF FUNCTION
(m) POWER SUPPLY
(p) FIXED PARTS

RESISTORS
Are in ohms, 1/4 Watts, ± 5% Tolerance
Unless Otherwise Noted K : KΩ, M : MΩ

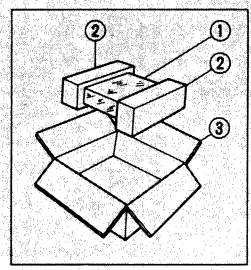
CAPACITORS
Are in μF, Unless Otherwise Noted P : pF

⚠ is Safety part.
Use only replacement parts recommended by the manufacturer.

• Design and specifications subject to change without notice for improvement.
• La présention et les spécifications sont susceptibles d'être modifiées sans préavis par suites d'améliorations éventuelles.
• Änderungen, die dem technischen Fortschritt dienen, bleiben vorbehalten.

12. ACCESSORY LIST

Parts No.	Stock No.	Description
1	47859600	Vinyl Bag
2	27233700	Styrofoam Packing
3	27230400	Carton Case



11. PACKING LIST

	Stock No.	Description
	48576700	13P ST Connector Cable, system control
	49015000	Operating Instruction (*E·F·S)
	49015100	Operating Instruction (*G·I·Sw)

***Note:**
E·F·S: **E**nglish·**F**rench and **S**panish Version
G·I·Sw: **G**erman·**I**talian and **Sw**edish Version

Sansui

SANSUI ELECTRIC CO., LTD.: 14-1, Izumi 2-chome, Suginami-ku, Tokyo 168 Japan
PHONE: (03) 324-8891/TELEX: 232-2076 (International Division)
SANSUI ELECTRONICS CORPORATION: 1250 Valley Brook Ave. Lyndhurst, N.J. 07071 U.S.A.
17150 South Margay Ave. Carson, California 90746 U.S.A.
3036 Koapaka Street. Honolulu, Hawaii 96819 U.S.A.
SANSUI ELECTRONICS (U.K.) LTD.: Unit 10A, Lyon Industrial Estate, Rockware Avenue, Greenford, Middx UB6, OAA, England
SANSUI ELECTRONICS G.M.B.H.: Pau Ehrich Strasse 8, 6074 Rödermark 2, West Germany

(SM1-332) (1986.10.M) <Stock No. 36527000>